

D-T4/T40

SERVICE MANUAL

US Model
Canadian Model
D-T4

AEP Model
UK Model
E Model
Australian Model
D-T40



Discman

SPECIFICATIONS

CD section

System
Laser diode properties

Compact disc digital audio system
Material: GaAlAs
Wavelength: 780 nm
Emission duration: Continuous
Laser output: Less than 44.6 μW
(This output is the value measured at a distance of 200 mm from the objective lens surface on the Optical Pick-up Block.)
20–20,000 Hz; ±3 dB
Line output (stereo minijack)
Output level 1 V rms at 47 kilohms
Load impedance over 10 kilohms
Headphones (stereo minijack)
9 mW+9 mW at 32 ohms

Frequency response
Output (at 9 V input level)

Radio section
Frequency range

FM: 87.6–108 MHz (US, Canadian, UK, E, Australian model)
87.6–107 MHz (AEP, French model)
87.5–108 MHz (Italian model)
AM: 530–1,605 kHz (US, Canadian, UK, E, Australian model)
531–1,602 kHz (AEP, French model)
526.5–1,606.5 kHz (Italian model)

Antennas

FM: Headphones cord or connecting cord antenna
AM: Built-in ferrite bar antenna

General

Power requirements

Supplied:
• Rechargeable battery pack BP-3
• DC in 9 V jack accepts the Sony AC power adaptor

| Where purchased | Operating voltage |
|----------------------|----------------------|
| US, Canadian | 120V AC, 60Hz |
| UK, Australian | 240V AC, 50Hz |
| AEP, French, Italian | 220V AC, 50Hz |
| E | 110–240V AC, 50/60Hz |

Power consumption
Dimension

1.2W DC
Approx. 136×38.5×147 mm (5¹/₈×1¹/₁₆×5⁷/₁₆ in.) (w/h/d)
not incl. inclined part (depth), projecting parts and controls
Approx. 137.5×39.5×149 mm (5¹/₂×1¹/₁₆×5⁷/₁₆ in.) (w/h/d)
incl. projecting parts and controls

Weight

Approx. 520 g (1 lb 2 oz) net
Approx. 700 g (1 lb 9 oz) incl. rechargeable battery pack

Supplied accessories

AC power adaptor (1)
Rechargeable battery pack (1)
Connecting cord (1)
Carrying case (1)
Carrying belt (1)
Headphone (1) (UK model)
AC plug adaptor (1) (E model)

Supplied battery pack (BP-3)

Output voltage 6V
Capacity 1000 mA/h
Dimensions Approx. 31.3×17.3×118.6 mm (1¹/₈×³/₁₆×4³/₄ in.) (w/h/d)
Weight Approx. 180 g (6¹/₂ oz)

Charging time/Battery life

| Charging time | Continuous disc playing time | Continuous radio reception |
|-------------------------|------------------------------|----------------------------|
| 8 hours (fully charged) | approx. 4 hours | approx. 20 hours |
| 5 hours (90% charged) | approx. 3.5 hours | — |

Notes on charging

- For charging, use only the supplied AC power adaptor. If not, the player will be damaged.
- The CD player can also be operated during charging. In this case, approx. 24 hours are necessary for a full charge. However, when the CD player does not operate normally, stop it and charge the unit for a while.

CAUTION

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

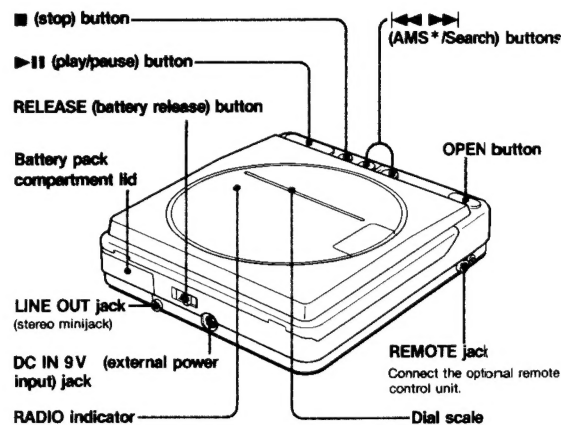
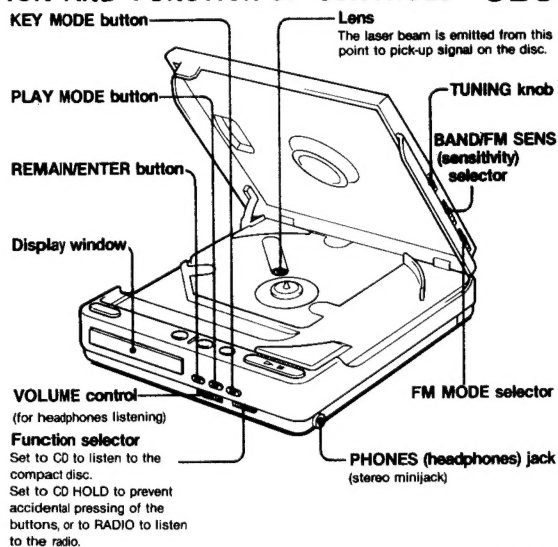


MICROFILM

FM/AM COMPACT DISC COMPACT PLAYER SONY®

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LOCATION AND FUNCTION OF CONTROLS SECTION 1 GENERAL



*AMS is an abbreviation of Automatic Music Sensor.

SECTION 2 SERVICING NOTES



NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc., on clothing and the human body.


During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.

The flexible board is easily damaged and should be handled with care.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK  OR DOTTED LINE WITH MARK  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE  SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.

Before Replacing the Optical Block

Please be sure to check thoroughly the parameters as per the "Optical Block Checking Procedures" (Part No. : 9-960-027-11) issued separately before replacing the optical block. Note and specifications required to check are given below.

- FOK output : IC501 ⑨ pin
When checking FOK, remove the lead wire to disc motor and unsolder and open IC801 ② pin (FOK).
- S curve P-to-P value : 3Vp-p
When checking S curve P-to-P value, remove the lead wire to disc motor.
- Adjusted part for focus gain adjustment : RV50
- RF signal P-to-P value : 0.7 - 1.25Vp-p
- Traverse signal P-to-P value : 1.5Vp-p
- The repairing grating holder is impossible.
- Adjusted part for tracking gain adjustment : RV502

Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270°C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe more than 25cm away from the objective lens.

Laser Diode Check Procedure

The laser diode on this set will not emit unless the top panel is closed and S801 (leaf SW type) is turned on. The laser diode will always emit even if focus search is not performed in service mode.

The laser diode is checked using the current value which flows to the laser diode inside the optical pick-up block.

Procedure 1 (service mode or normal operation)

Check the laser diode emission with the eye.

1. Open upper panel.
2. S801 on as Fig. 1.
(In service mode, this operation is not necessary.)
3. Press the ►|| key.
(In service mode, this operation is not necessary.)
4. Observe the objective lens and confirm that the laser diode is emitting light. At this time, the laser diode goes on about 10 seconds due to focus search. If it does not, APC circuit or optical pick-up block is defective.

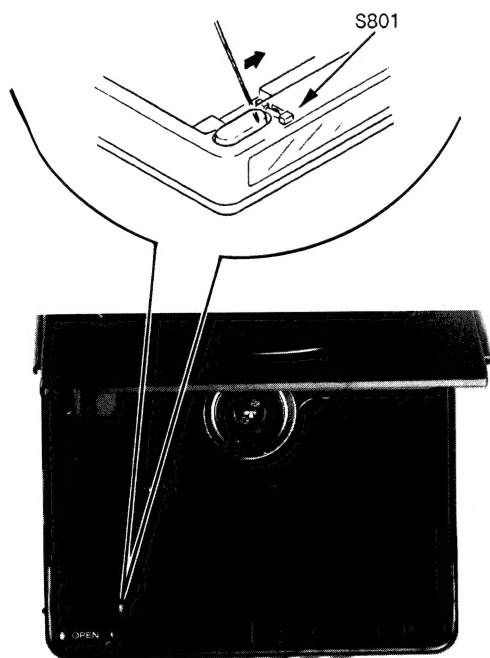


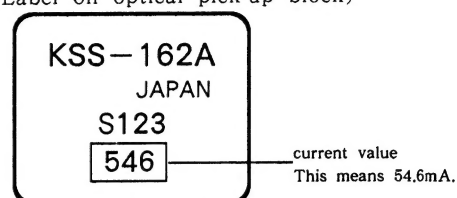
Fig.1 Turning S801 on

Procedure 2 (service mode or normal operation)

Check by the current with flows in the laser diode.

1. Close the top panel.
2. Remove the main board and read the current value on the label affixed to the optical pick-up block.

(Label on optical pick-up block)



The current value varies with the set.

3. Connect a VOM as shown in Fig. 2.
4. Press the ►|| key.
5. Calculate the current by the VOM reading.
VOM reading (V) $\div 10$ = current (A)
ex. VOM reading = 0.56V
 $0.56 \div 10 = 0.056$ (A) = 56 (mA)
6. Confirm that the ammeter reading is within the range given below.
value on label: 54.6mA (25°C)
variation relative to temperature: 0.4mA/°C
(Current increases when temperature rises and decreases when it drops.)

If the value is more than the range give, APC circuit has been defective or the laser diode has deteriorated. If it is less, APC circuit or optical pick-up block is defective.

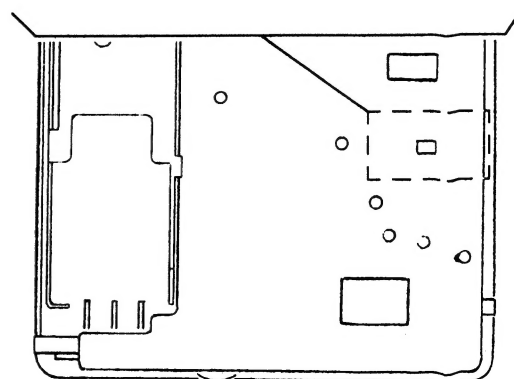
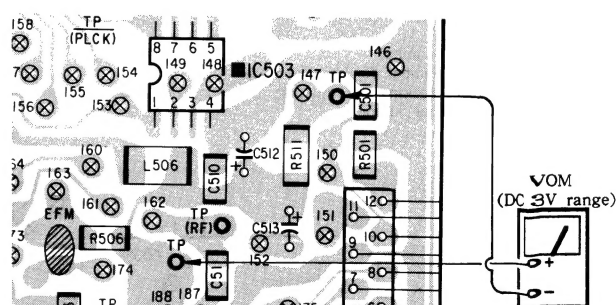


Fig.2 VOM Connection

SERVICE MODE (service program)

This set has built-in service program in the microcomputer as usual sets.
The operation method of service program is explained below.

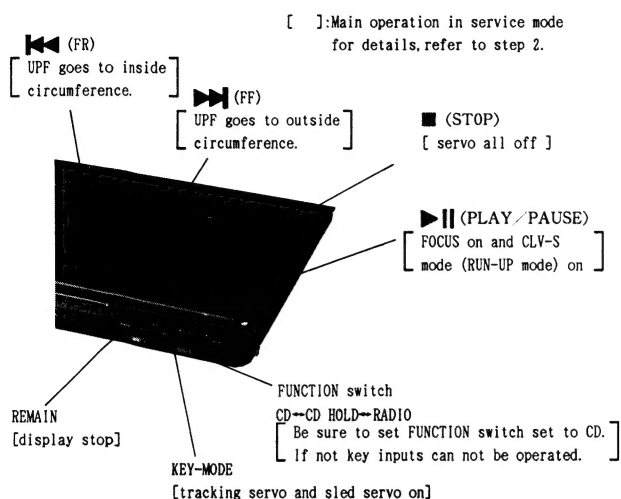


Fig.3 Key Positions

• Step 1 (Service Mode setting method)

1. Turn the FUNCTION switch set to CD with the external power supply not plugged in (no power applied to set) and press the ▶|| key.
2. Solder jumper TEST terminal. (IC801 pin ④ (TEST) is grounded.)
3. Plug in external power supply. This puts the set into service mode.

• Step 2 (Service Mode operation)

1. When service mode is set, the display will change 6 times, and those 6 changes will be repeated over and over.
With this the LCD display should be present in service mode. Even if LCD dose not display, other operations will be performed.
2. When ▶|| or ◀ key is pressed, the optical pick-up block moves to the inside or outside circumference. Tracking servo and sled servo go off when this is done, so press KEY-MODE to turn on the tracking servo if necessary.
3. When REMAIN is pressed, the display stops. When REMAIN is released, the display continues to change. This allows check of each segment.
4. When ▶|| Key is pressed, CLV-S (pull-in mode) starts while performing focus search. When there is no disc installed, focus search is repeated several times while disc motor is rotating.
5. When KEY-MODE is pressed, tracking servo, sled servo and CLV-A (servo during PLAY) go ON.
6. When 4 and 5 are performed, the disc begins to play. At this time, the top panel should be closed and S801 are to be ON. A sound is not produced as muting is ON.
7. All servo (focus, tracking, sled and spindle) go off when ■ key is pressed.

• Step 3 (Service Mode release)

1. First be sure to unplug the external power supply, then remove the solder jumper TEST terminal.
2. The set will now operated normally.

TEST terminal
Solder jumper for service mode.
(After checking or adjusting in service mode, be sure to remove this solder jumper.)

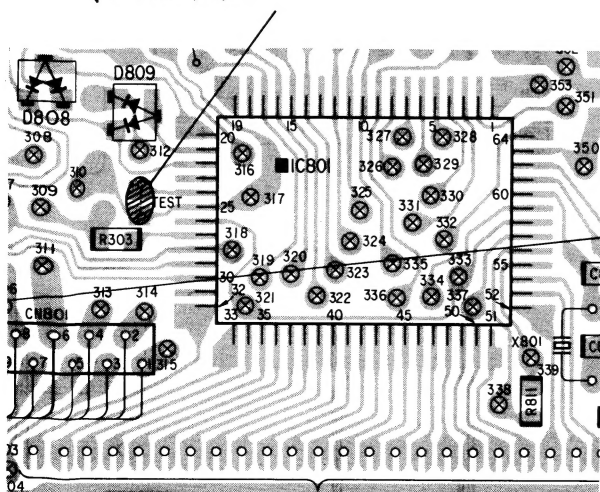
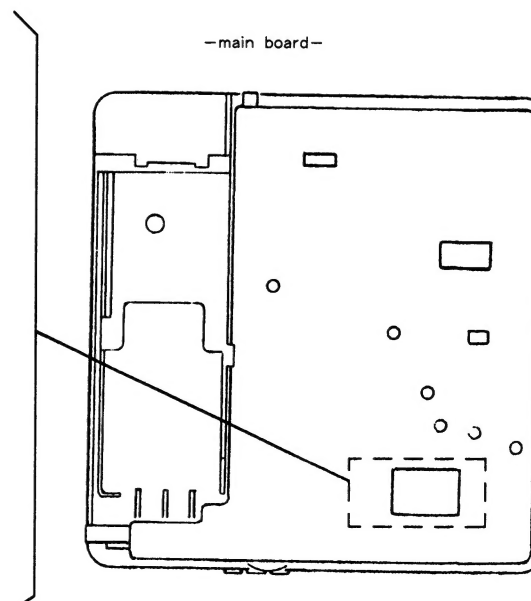


Fig.4 TEST terminal position



SECTION 3

ELECTRICAL ADJUSTMENTS

CD SECTION

Notes on Adjustment

1. Perform adjustments except for RECHARGEABLE VOLTAGE ADJUSTMENT in service mode.
Be sure to release service mode after completing adjustment.
(Refer to "Service Mode (service program)" on page 4.)
2. Perform adjustments in the order given.
3. Use YEDS-18 disc (part No.: 3-702-101-01) unless otherwise indicated.
4. Power supply voltage : DC 9V
FUNCTION switch : CD

PREPARATION

Put the set into service mode (See page 4.) and perform the following checks. Repair if there are any abnormalities.

• Sled Motor Check

1. Press the OPEN button and open the top panel.
2. Press the ►, ◄ keys and make sure that the optical pick-up block moves smoothly, without catching, from the inmost → outmost → inmost circumference.
►: optical pick-up block moves outward
◄: optical pick-up block moves inward

• Focus Search Check

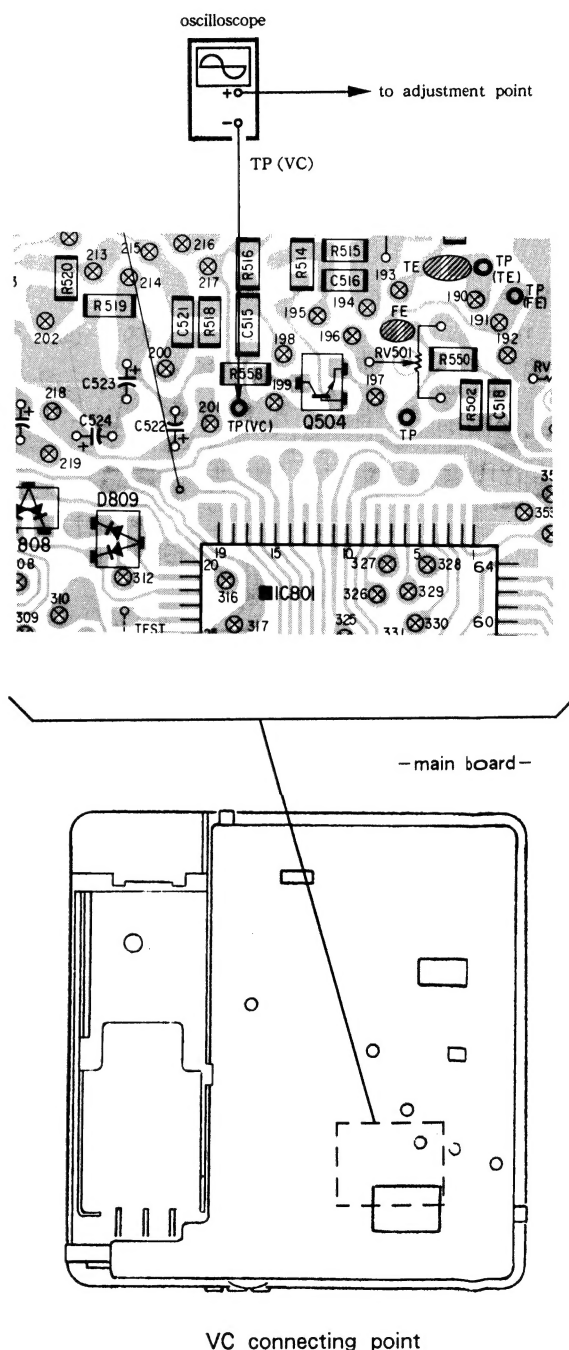
1. Press the OPEN button and open the top panel.
2. Press the ► key. (Focus search is performed continuously.)
3. Observe the optical pick-up block objective lens and check that it moves smoothly up and down with no catching or noises.
4. Press the ■ key.
Check that focus search operation stops. If it does not, press the ■ key again.

VC (1/2 Vcc) Connecting Point

FOCUS BIAS ADJUSTMENT

TRACKING BALANCE ADJUSTMENT

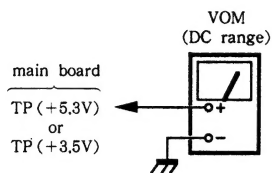
When the adjustments above are performed, connect the ⊖ side of oscilloscope to the point below.



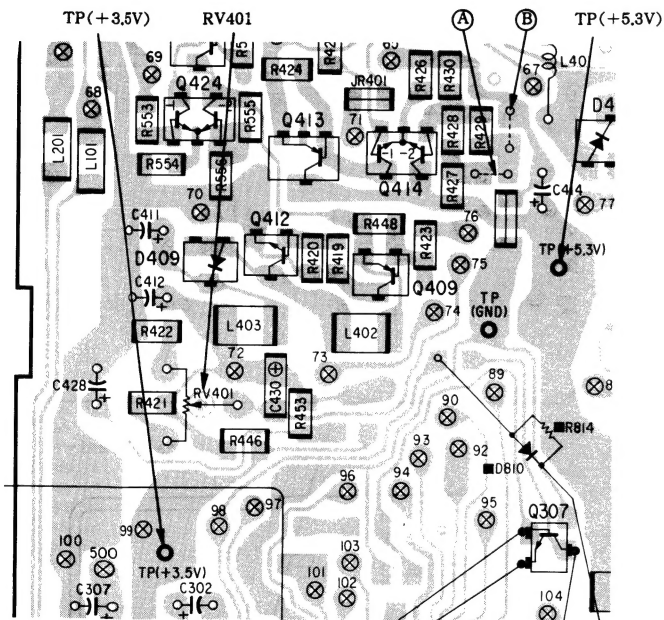
5.3V Adjustment

Adjustment Procedure :

1. Put the set into service mode (see page4).
2. Connect the VOM to main board test point TP(+5,3V).
3. Adjust RV401 for 5.2V–5.3V reading on the VOM.
4. After adjustment, release service mode (see page4).




Adjustment Location : main board



3.5V Adjustment

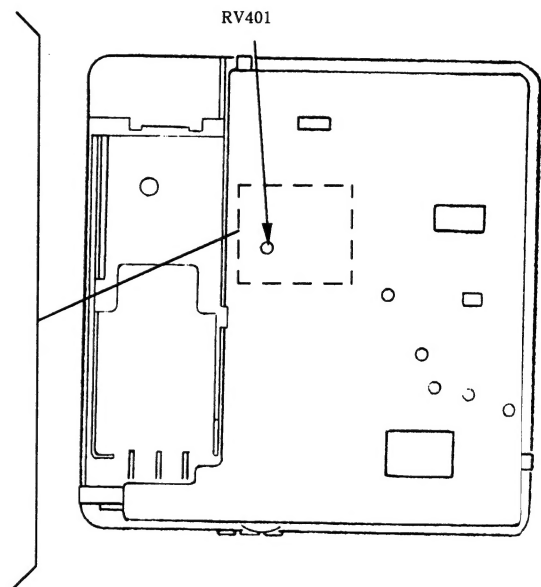
Adjustment Procedure :

1. Put the set into service mode (see page 4).
2. Connect the VOM to main board test point TP (+3.5V).
3. Adjust the pattern connection (Ⓐ or Ⓑ) to obtain 3.45V to 3.6V reading on the VOM.

| pattern connection | | VOM reading |
|--------------------|-----|---|
| (A) | (B) | |
| ○ | × | down  up |
| × | × | |
| × | ○ | |
| ○ | ○ | |
| ○ | ○ | |

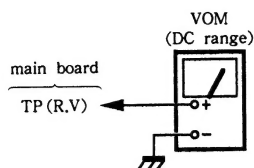
○: short ×: open

4. After adjustment, release service mode (see page 4).



Rechargeable Voltage Adjustment

Adjustment Procedure :

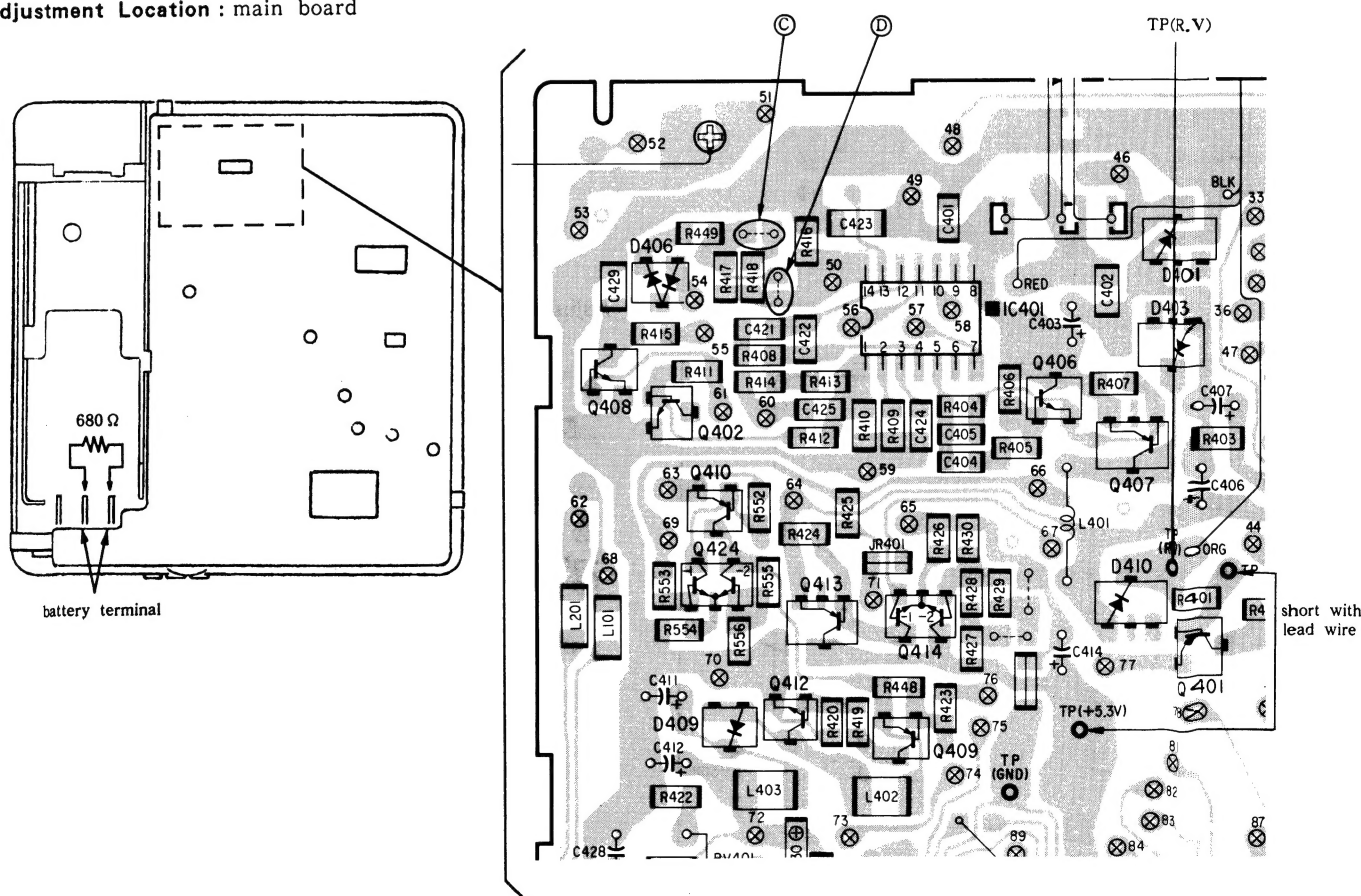


1. Connect the VOM to main board test point TP(R.V).
2. Short between the Q401 base and GND. Connect a 680 Ω resistor between pin ② and pin ③ of battery terminal as shown below.
3. Apply DC 9V with required dc power supply from external power jack CNJ401.
4. Adjust the pattern connection(Ⓒ or Ⓓ) to obtain 7.25 to 7.47V reading on the VOM.

| pattern connection | | VOM reading |
|-------------------------|--------|-----------------|
| C | D | |
| ○ | ○ or x | down ↑ up |
| x | ○ | |
| x | x | |
| ○ : short x : open | | |

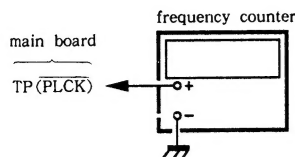
Note : Measure after the VOM reading becomes stable.

Adjustment Location : main board



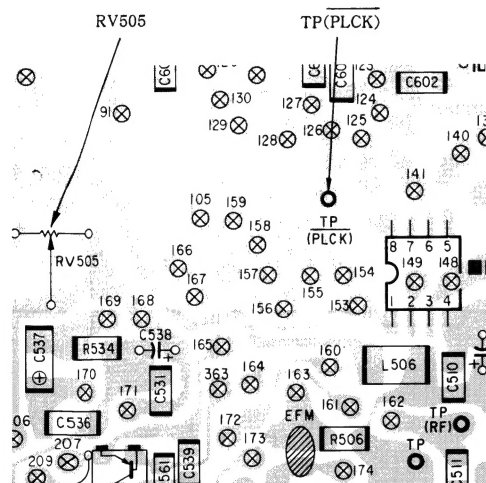
PLL Free Run Frequency Check and Adjustment

Check/Adjustment Procedure :

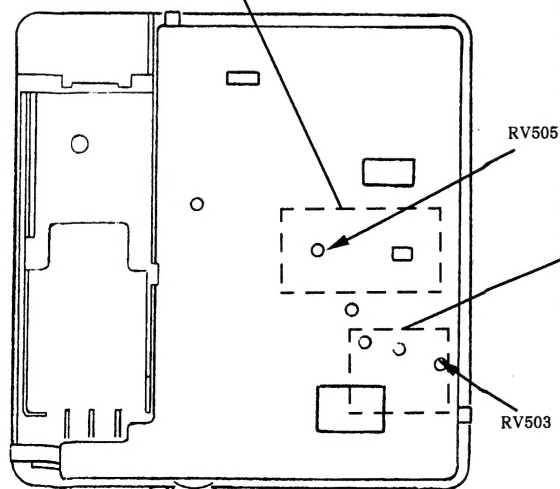


1. Disconnect EFM solder jumper terminal in the diagram below.
2. Connect a frequency counter to main board test point TP(PLCK).
3. Put the set into service mode (See page 4).
4. Check that the frequency counter reading is 4.31 ± 0.01 MHz. If not, adjust RV505 so that it is 4.31 ± 0.01 MHz.
5. After adjustment, release service mode (see page 4).
6. Short the jumper terminal disconnected in step 1.

Check/Adjustment Location : main board



EFM solder jumper terminal

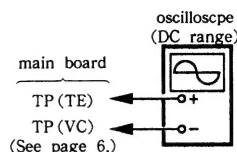


Tracking Balance Adjustment

Conditions :

The set should be placed either horizontally.

Adjustment Procedure :

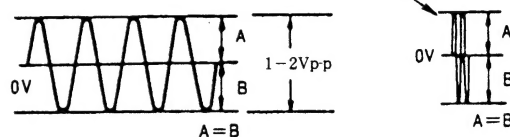


1. Connect the oscilloscope to main board TP(TE).
2. Put the set into service mode (See page 6.)
3. Press the **▶▶** and **◀◀** keys to move the optical pick-up block to the center.
4. Insert the disc (YEDS-18) and close the top panel.
5. Press the **▶▶** key.

It will go from focus search to focus on, and CLV pull-in mode state. Tracking and sled are OFF.

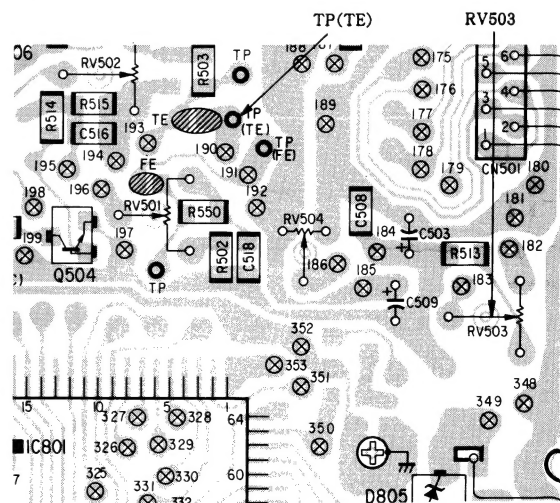
6. Adjust RV503 so that the oscilloscope waveform is symmetrical on the top and bottom in relation to 0V.

Note : Take sweep time as long as possible to obtain best waveform.



7. Unplug the external power supply to stop spindle motor from rotating.
8. After adjustment, release service mode (see page 4).

Adjustment Location : main board

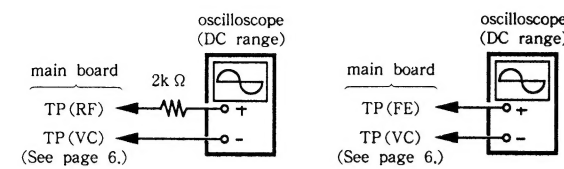


Focus Bias Adjustment

Conditions :

The set should be placed either horizontally.

Adjustment Procedure :



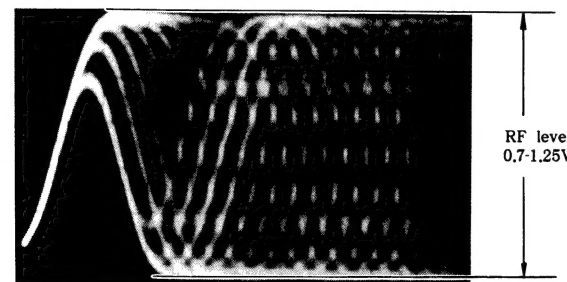
1. Put the set into service mode (See page 4).
2. Connect the oscilloscope to main board test point TP(RF).
3. Press the **▶▶** and **◀◀** key to move the optical pick-up block to the center.(Move the optical pick-up block to the music area on the disc to enable easy visibility of the eye pattern).
4. Insert the disc (YEDS-18) and close the top panel.
5. Press the **▶▶** key.

It will go from focus search to focus on, and CLV pull-in mode state,Tracking and sled are OFF.

6. Press the KEY-MODE button (Tracking and sled go ON.)
7. Adjust RV504 so that the oscilloscope waveform eye pattern is good. A good eye pattern means that the diamond shape (◇) in the center of the waveform can be clearly distinguished.

• RF Signal Reference Waveform (eye pattern)

VOLT/DIV : 200mV
TIME/DIV : 500ns



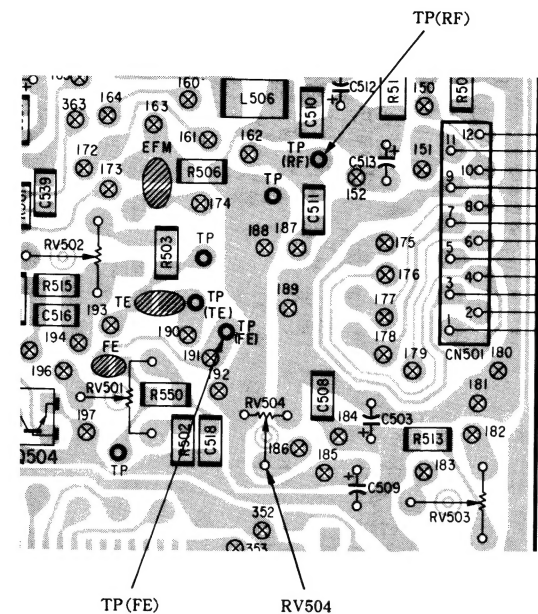
When observing the eye pattern, set the oscilloscope for AC range and raise vertical sensitivity.

8. Unplug the external power supply to stop spindle motor from rotating.
9. Remove the disc and connect the oscilloscope to main board TP(FE).
10. Adjust RV503 again refering to the table followed.

| voltage of TP (FE) | adjustment |
|--------------------|--|
| more than +100mV | Not adjust again. |
| +50 to 100mV | Adjust RV503 again for +100mV reading on oscilloscope. |
| less than +50mV | Not adjust again. |

11. After adjustment, release service mode (see page 6).

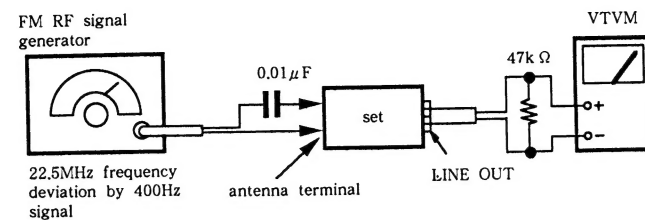
Adjustment Location : main board



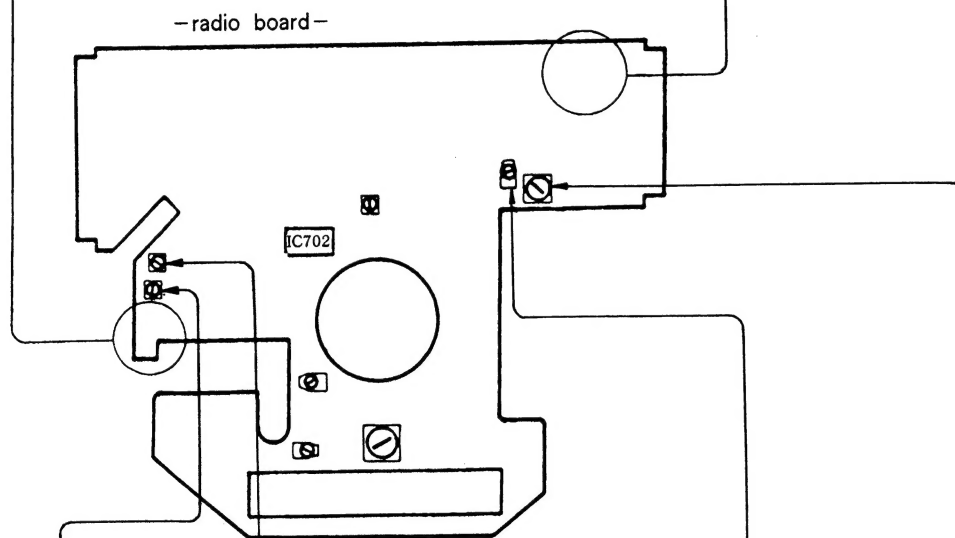
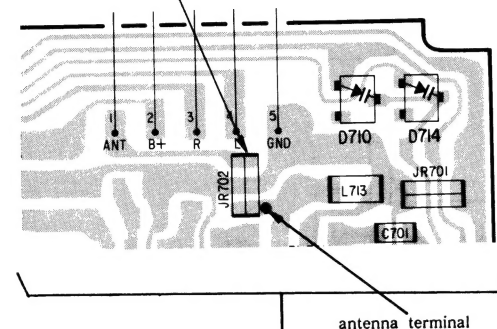
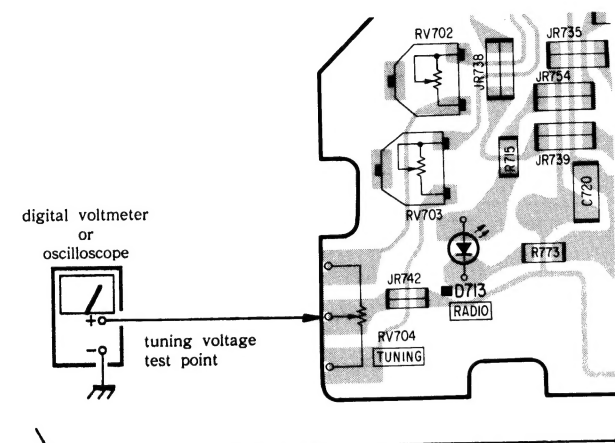
FM SECTION

Conditions :

- Function switch : RADIO
- Band switch : FM DX



- Repeat the procedures in each adjustment several times, and the frequency coverage adjustment should be finally done by the trimmer capacitors.
- Remove chip jumper for adjustments. Solder chip jumper after adjustments.



| | | |
|--|--------|--------|
| Adjustment parts | RV703 | RV702 |
| Digital voltmeter or oscilloscope reading | 1V | 9V |
| Dial pointer | f min. | f max. |
| Tuning Voltage Adjustment | | |

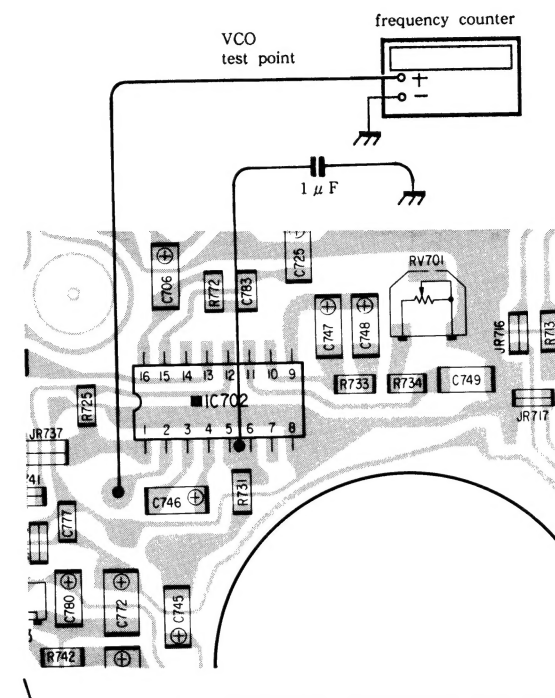
| | | |
|-------------------------------------|---------------------------------------|-------------------------------------|
| Adjustment parts | CT701 | L702 |
| SG frequency | 109.5MHz (107.8MHz) [108.25MHz] | 86.5MHz (87.35MHz) [87.35MHz] |
| Dial pointer | f max. | f min. |
| Adjust for maximum reading on VTVM. | | |
| FM Frequency Coverage Adjustment | | |

no-mark : US, Canadian, UK, E, Australian
() : AEP, French
[] : Italian

VCO Adjustment

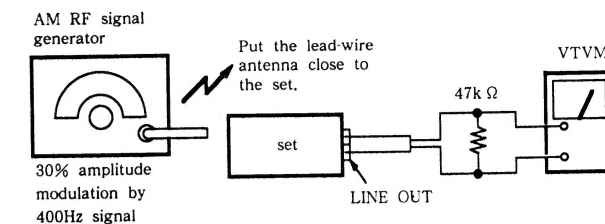
Adjustment Procedure :

1. Connect a $1\mu\text{F}$ capacitor as follows.
2. Adjust RV701 for $19\pm0.02\text{kHz}$ on the frequency counter.
3. Remove the capacitor connected in step 1.



Conditions :

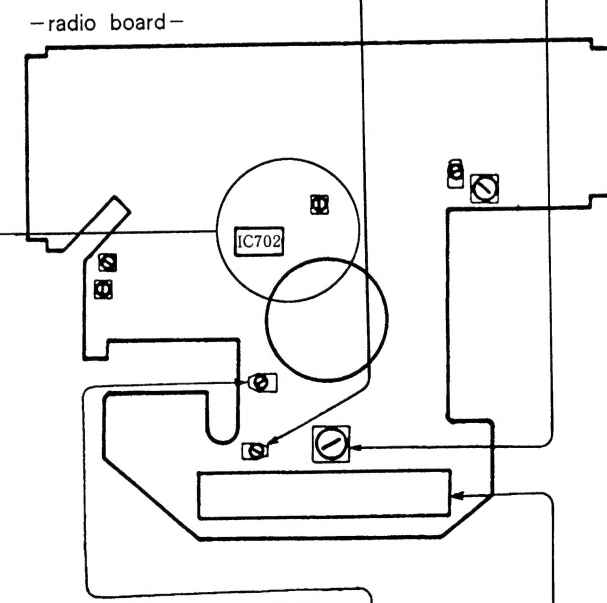
- Function switch : RADIO
- Band switch : AM



- Repeat the procedures in each adjustment several times, and the frequency coverage and tracking adjustments should be finally done by the trimmer capacitors.

| AM Frequency Coverage Adjustment | | |
|---------------------------------------|--|------------------------------------|
| Adjust for a maximum reading on VTVM. | | |
| Dial pointer | f max. | f min. |
| SG frequency | 1,680kHz (1,631.5kHz) [1,631.5kHz] | 515kHz (516.5kHz) [516.5kHz] |
| Adjustment parts | CT703 | T702 |

no-mark : US, Canadian, UK, E, Australian
() : AEP, French
[] : Italian



| | | |
|-------------------------------------|----------|--------|
| Adjustment parts | CT704 | L711 |
| SG frequency and dial pointer | 1,400kHz | 620kHz |
| Adjust for maximum reading on VTVM. | | |
| AM Tracking Adjustment | | |

SECTION 4 DIAGRAMS

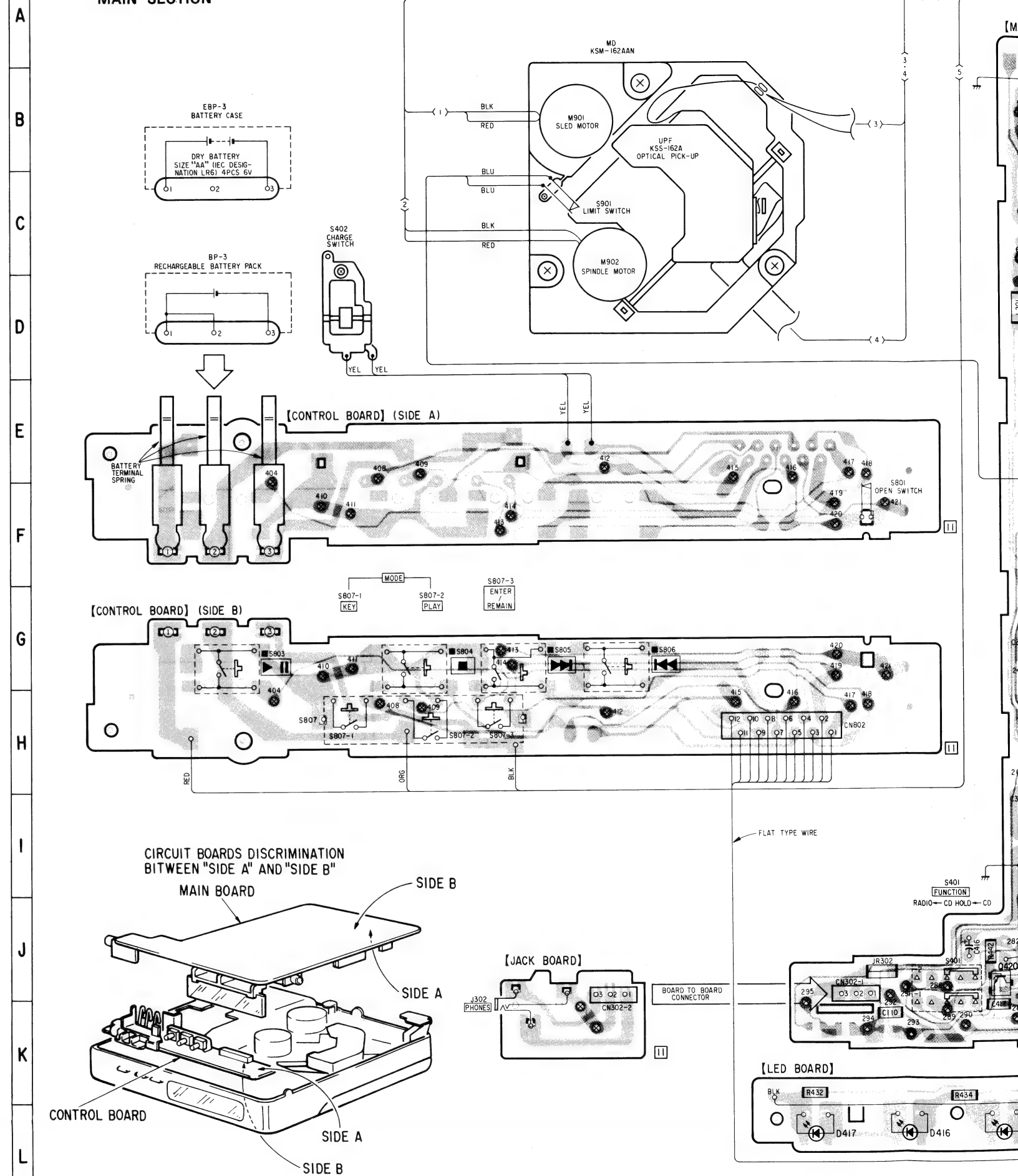
4-1. SEMICONDUCTOR LEAD LAYOUTS

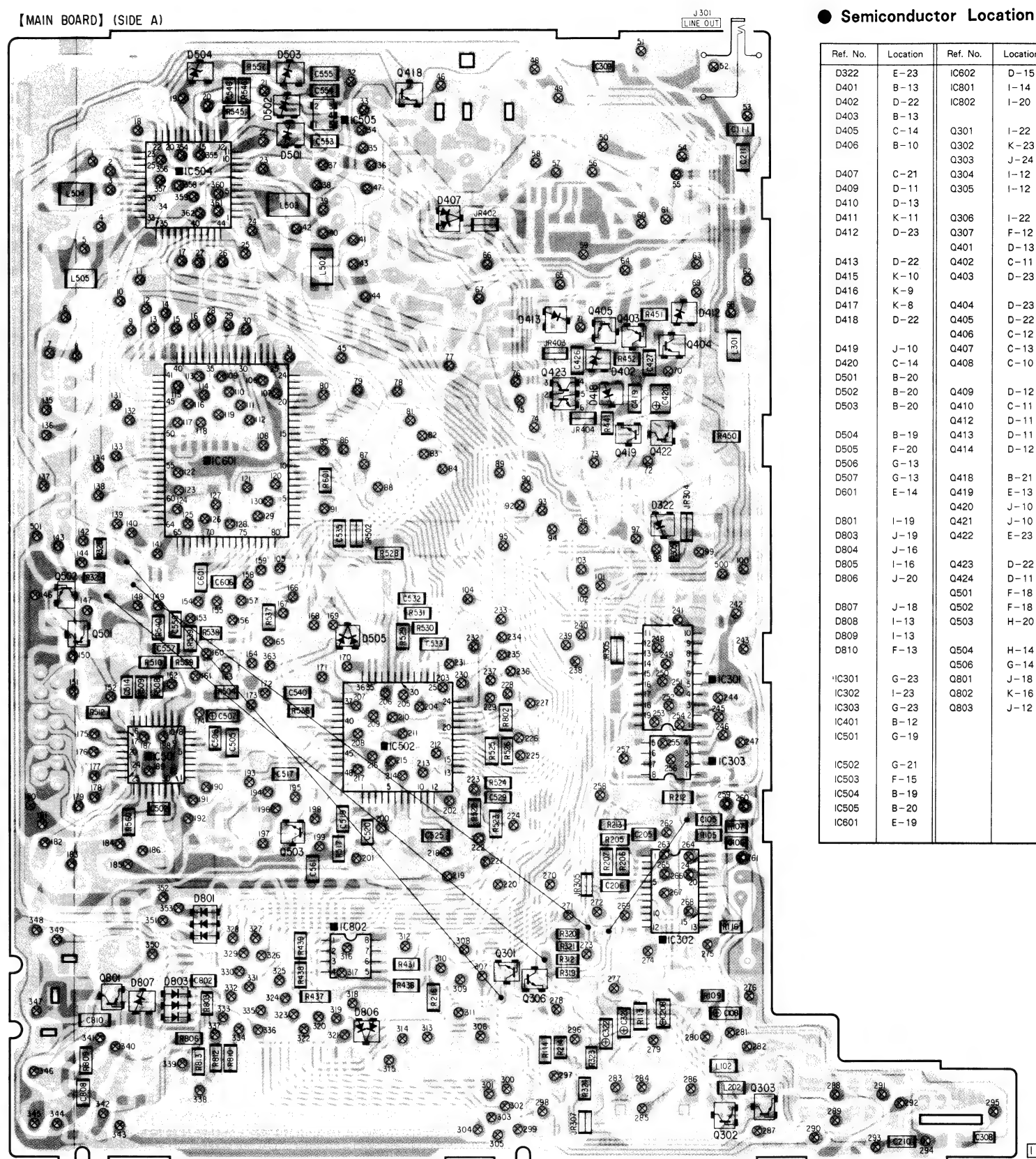
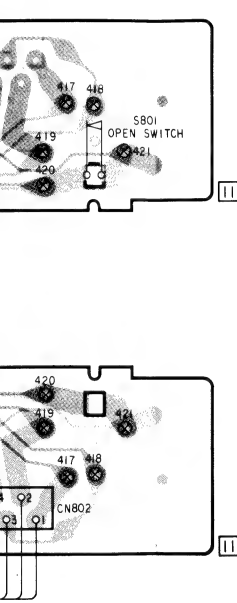
| | | | | |
|---|---|---|--|-------------------------------------|
| BA10358F NJM2903M NJM4560M (TOP VIEW) | CXD1161M-3 (TOP VIEW) | 2SB1120 2SD1664-Q B C E | 1SS123 2 3 1 | SLP478C anode cathode |
| BA9700F (TOP VIEW) | CXK5816M-10L M51568FP (TOP VIEW) | FMW1 3 4 5 1 2 | IMN10 6 5 4 3 2 1 | |
| CX10053B MARKING SIDE VIEW | CXP5086-026Q TOP VIEW | IMD3 4 5 6 3 2 1 | KV1260M 8 7 6 5 4 3 2 1 | |
| CX10054 16 9 8 | MPC1715 33 23 22 12 11 | 1S2835 anode cathode cathode | RD2.7M-B2 RD5.6M-B1 RD5.6M-B2 RD7.5M-B1 RD10M-B2 RD12M-B1 SB01-05CP SB10-05PCP 1 2 3 4 5 6 | |
| CXA1271Q (Marking side view) | TC7S04F 5 4 3 2 1 | 1S2837 SVC203CP cathode anode anode | RD9.1EW 2 3 4 | |
| CXA1272Q-Z 37 26 25 12 11 | 2SA812 2SB624-BV4 2SC1623 2SC2223-F13 2SC2223-F14 2SC2412K 2SC2714-Y 2SC2736 2SC2757-T33 2SD596 2SD1048 DTA114YK DTA124EK DTA144TK DTC114TK DTC124EK DTC144EK C B E | 1S119 cathode anode | SB05-05CP SLM-13VW NC 2 3 1 | |
| CXD1130Q MARKING SIDE VIEW | | | | |

Note:

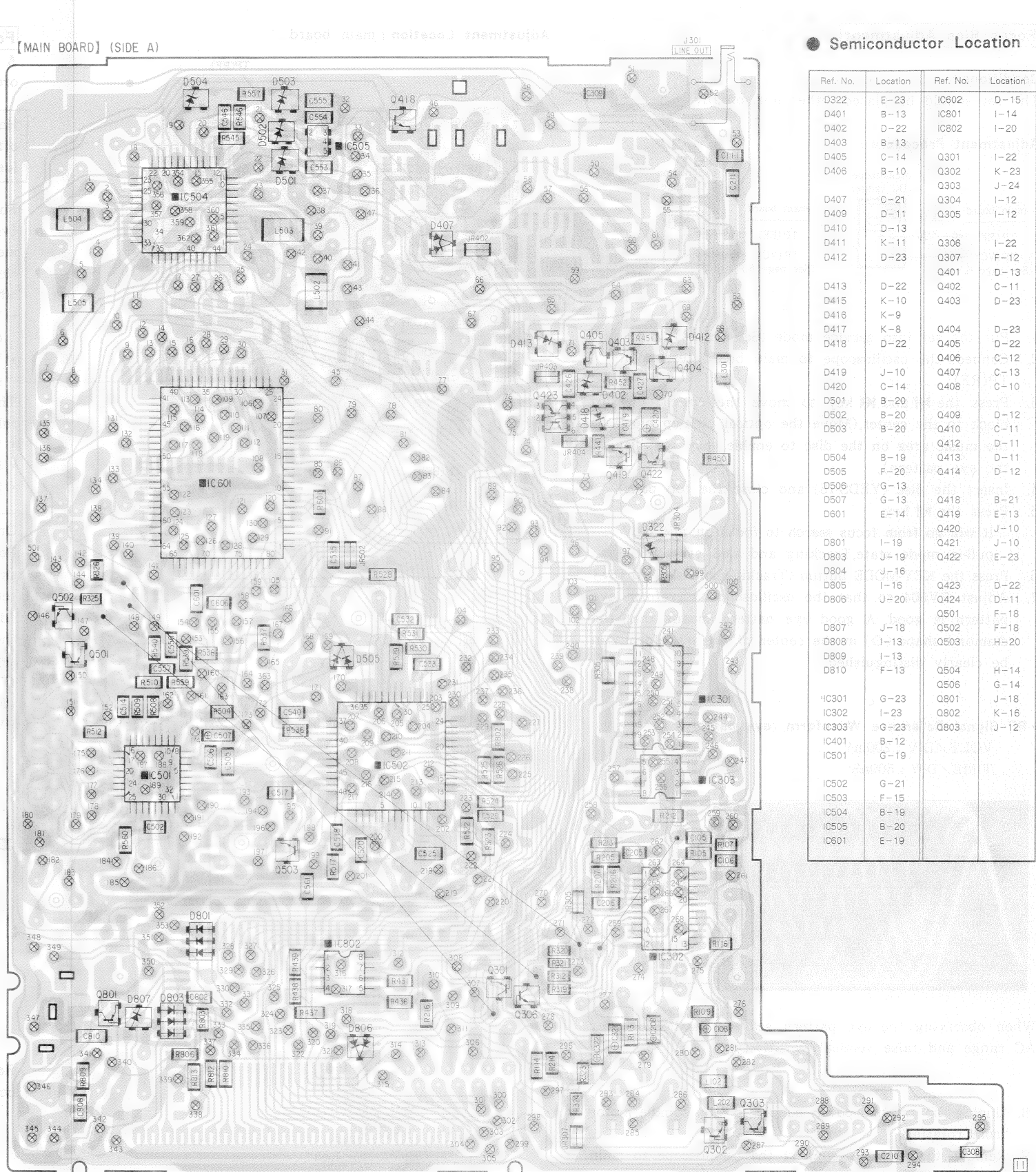
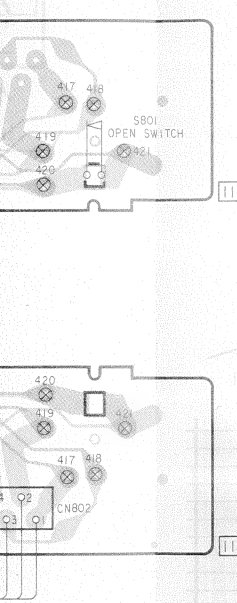
- : parts extracted from the component side.
- : parts extracted from the conductor side.
- : parts mounted on the conductor side.
- ⊗ : Through hole.
- ▨ : Pattern on the side which is seen.
- ▩ : Pattern of the rear side.
- : Chip components extracted from the rear side.

4-2. PRINTED WIRING BOARDS -MAIN SECTION-

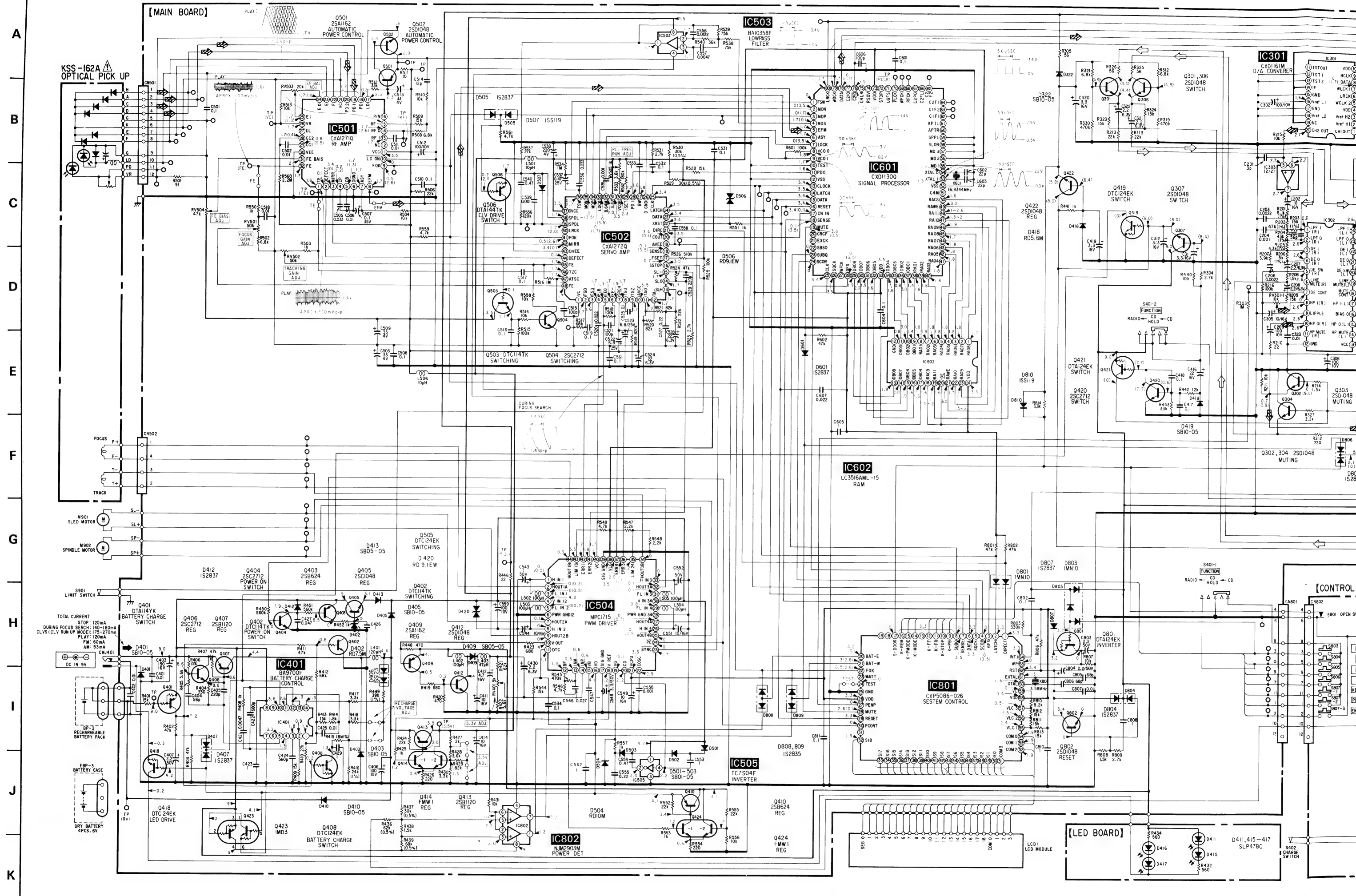




| Ref. No. | Location | Ref. No. | Location |
|----------|----------|----------|----------|
| D322 | E-23 | IC602 | D-15 |
| D401 | B-13 | IC801 | I-14 |
| D402 | D-22 | IC802 | I-20 |
| D403 | B-13 | | |
| D405 | C-14 | Q301 | I-22 |
| D406 | B-10 | Q302 | K-23 |
| | | Q303 | J-24 |
| D407 | C-21 | Q304 | I-12 |
| D409 | D-11 | Q305 | I-12 |
| D410 | D-13 | | |
| D411 | K-11 | Q306 | I-22 |
| D412 | D-23 | Q307 | F-12 |
| | | Q401 | D-13 |
| D413 | D-22 | Q402 | C-11 |
| D415 | K-10 | Q403 | D-23 |
| D416 | K-9 | | |
| D417 | K-8 | Q404 | D-23 |
| D418 | D-22 | Q405 | D-22 |
| | | Q406 | C-12 |
| D419 | J-10 | Q407 | C-13 |
| D420 | C-14 | Q408 | C-10 |
| D501 | B-20 | | |
| D502 | B-20 | Q409 | D-12 |
| D503 | B-20 | Q410 | C-11 |
| | | Q412 | D-11 |
| D504 | B-19 | Q413 | D-11 |
| D505 | F-20 | Q414 | D-12 |
| D506 | G-13 | | |
| D507 | G-13 | Q418 | B-21 |
| D601 | E-14 | Q419 | E-13 |
| | | Q420 | J-10 |
| D801 | I-19 | Q421 | J-10 |
| D803 | J-19 | Q422 | E-23 |
| D804 | J-16 | | |
| D805 | I-16 | Q423 | D-22 |
| D806 | J-20 | Q424 | D-11 |
| | | Q501 | F-18 |
| D807 | J-18 | Q502 | F-18 |
| D808 | I-13 | Q503 | H-20 |
| D809 | I-13 | | |
| D810 | F-13 | Q504 | H-14 |
| | | Q506 | G-14 |
| IC301 | G-23 | Q801 | J-18 |
| IC302 | I-23 | Q802 | K-16 |
| IC303 | G-23 | Q803 | J-12 |
| IC401 | B-12 | | |
| IC501 | G-19 | | |
| | | | |
| IC502 | G-21 | | |
| IC503 | F-15 | | |
| IC504 | B-19 | | |
| IC505 | B-20 | | |
| IC601 | E-19 | | |



| Ref. No. | Location | Ref. No. | Location |
|----------|----------|----------|----------|
| D322 | E-23 | IC602 | D-15 |
| D401 | B-13 | IC801 | I-14 |
| D402 | D-22 | IC802 | I-20 |
| D403 | B-13 | | |
| D405 | C-14 | Q301 | I-22 |
| D406 | B-10 | Q302 | K-23 |
| | | Q303 | J-24 |
| D407 | C-21 | Q304 | I-12 |
| D409 | D-11 | Q305 | I-12 |
| D410 | D-13 | | |
| D411 | K-11 | Q306 | I-22 |
| D412 | D-23 | Q307 | F-12 |
| | | Q401 | D-13 |
| D413 | D-22 | Q402 | C-11 |
| D415 | K-10 | Q403 | D-23 |
| D416 | K-9 | | |
| D417 | K-8 | Q404 | D-23 |
| D418 | D-22 | Q405 | D-22 |
| | | Q406 | C-12 |
| D419 | J-10 | Q407 | C-13 |
| D420 | C-14 | Q408 | C-10 |
| D501 | B-20 | | |
| D502 | B-20 | Q409 | D-12 |
| D503 | B-20 | Q410 | C-11 |
| | | Q412 | D-11 |
| D504 | B-19 | Q413 | D-11 |
| D505 | F-20 | Q414 | D-12 |
| D506 | G-13 | | |
| D507 | G-13 | Q418 | B-21 |
| D601 | E-14 | Q419 | E-13 |
| | | Q420 | J-10 |
| D801 | I-19 | Q421 | J-10 |
| D803 | J-19 | Q422 | E-23 |
| D804 | J-16 | | |
| D805 | I-16 | Q423 | D-22 |
| D806 | J-20 | Q424 | D-11 |
| | | Q501 | F-18 |
| D807 | J-18 | Q502 | F-18 |
| D808 | I-13 | Q503 | H-20 |
| D809 | I-13 | | |
| D810 | F-13 | Q504 | H-14 |
| | | Q506 | G-14 |
| IC301 | G-23 | Q801 | J-18 |
| IC302 | I-23 | Q802 | K-16 |
| IC303 | G-23 | Q803 | J-12 |
| IC401 | B-12 | | |
| IC501 | G-19 | | |
| | | | |
| IC502 | G-21 | | |
| IC503 | F-15 | | |
| IC504 | B-19 | | |
| IC505 | B-20 | | |
| IC601 | E-19 | | |



● SCHEMATIC DIAGRAM —RADIO SECTION—

- Note:**
- All capacitors are in μF unless otherwise noted. pF : $\mu\mu\text{F}$ 50WV or less are not indicated except for electrolytics and tantalums.
 - All resistors are in Ω and $\frac{1}{4}\text{W}$ or less unless otherwise specified.
 - % : indicates tolerance.

Note:
The components identified by mark Δ or dotted line with mark Δ are critical for safety. Replace only with part number specified.

Note:
Les composants identifiés par une marque Δ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

● Switch

| Ref. No. | Switch | Position |
|----------|--------------|----------|
| S701 | FM MODE | ST. |
| S702 | BAND/FM SENS | FM DX |

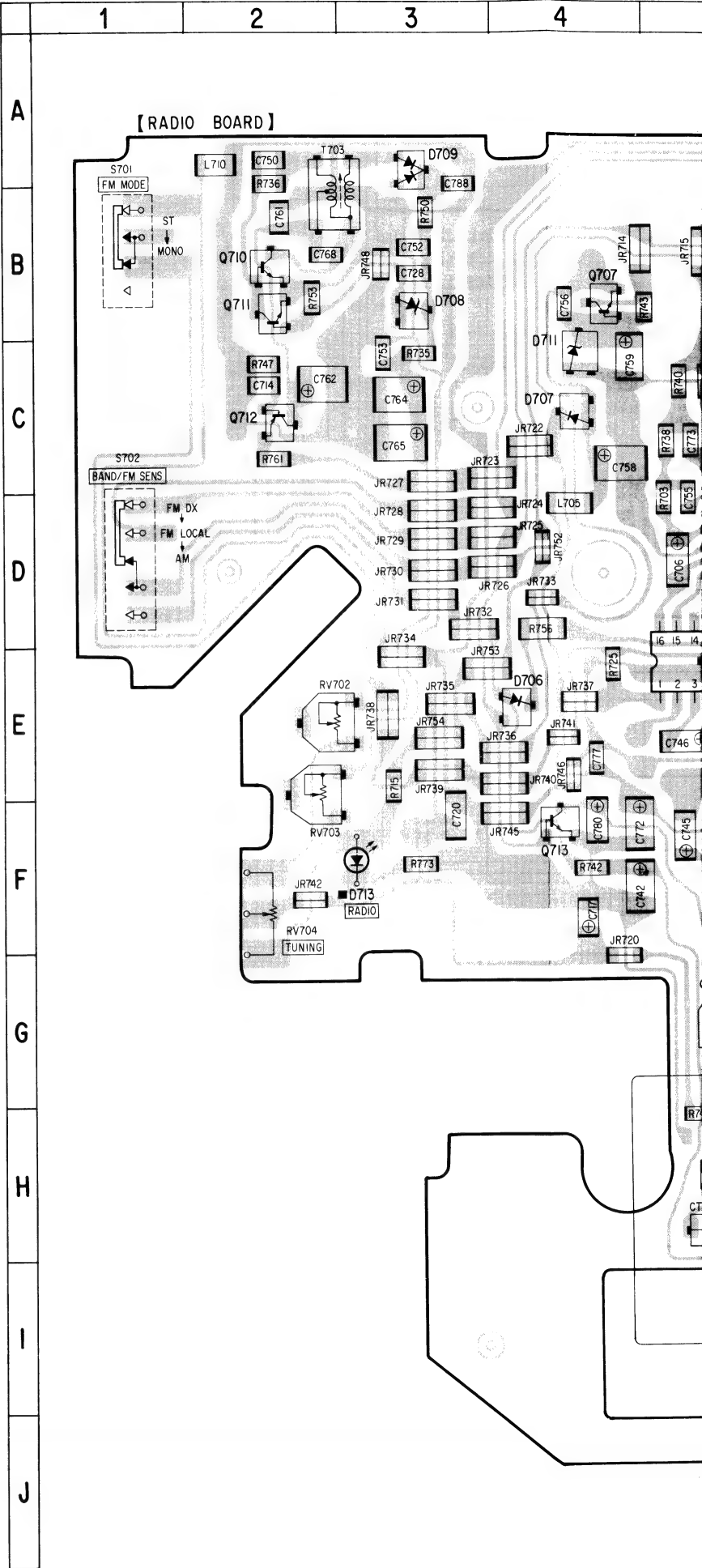
- — : B+ Line
- \square : adjustment for repair.
- Power voltage is dc 9V and fed with regulated dc power supply from external power voltage jack.
- Voltage are dc with respect to ground under no-signal (detuned) conditions when FUNCTION switch set to CD. no mark: FM
() : AM
- Voltages are taken with a VOM (50 $\text{k}\Omega/\text{V}$). Voltage variations may be noted due to normal production tolerances.
- Signal path.
⇒ : FM

● Semiconductor Location

| Ref. No. | Location |
|----------|----------|
| D701 | C-10 |
| D702 | C-8 |
| D705 | H-5 |
| D706 | E-4 |
| D707 | C-4 |
| D708 | B-3 |
| D709 | A-3 |
| D710 | B-11 |
| D711 | C-4 |
| D712 | B-7 |
| D713 | F-13 |
| D714 | B-14 |
| IC701 | G-8 |
| IC702 | E-5 |
| Q701 | C-11 |
| Q702 | D-10 |
| Q703 | D-8 |
| Q706 | D-8 |
| Q707 | B-4 |
| Q708 | B-7 |
| Q710 | B-2 |
| Q711 | B-2 |
| Q712 | C-2 |
| Q713 | F-4 |
| Q714 | E-8 |
| Q715 | F-8 |

- Note:**
- \circ : parts extracted from the component side.
 - \bullet : parts extracted from the conductor side.
 - \blacksquare : parts mounted on the conductor side.
 - \square : Chip components extracted from the rear side.

4-4. PRINTED WIRING BOARDS —RADIO SECTION— ● See page 13



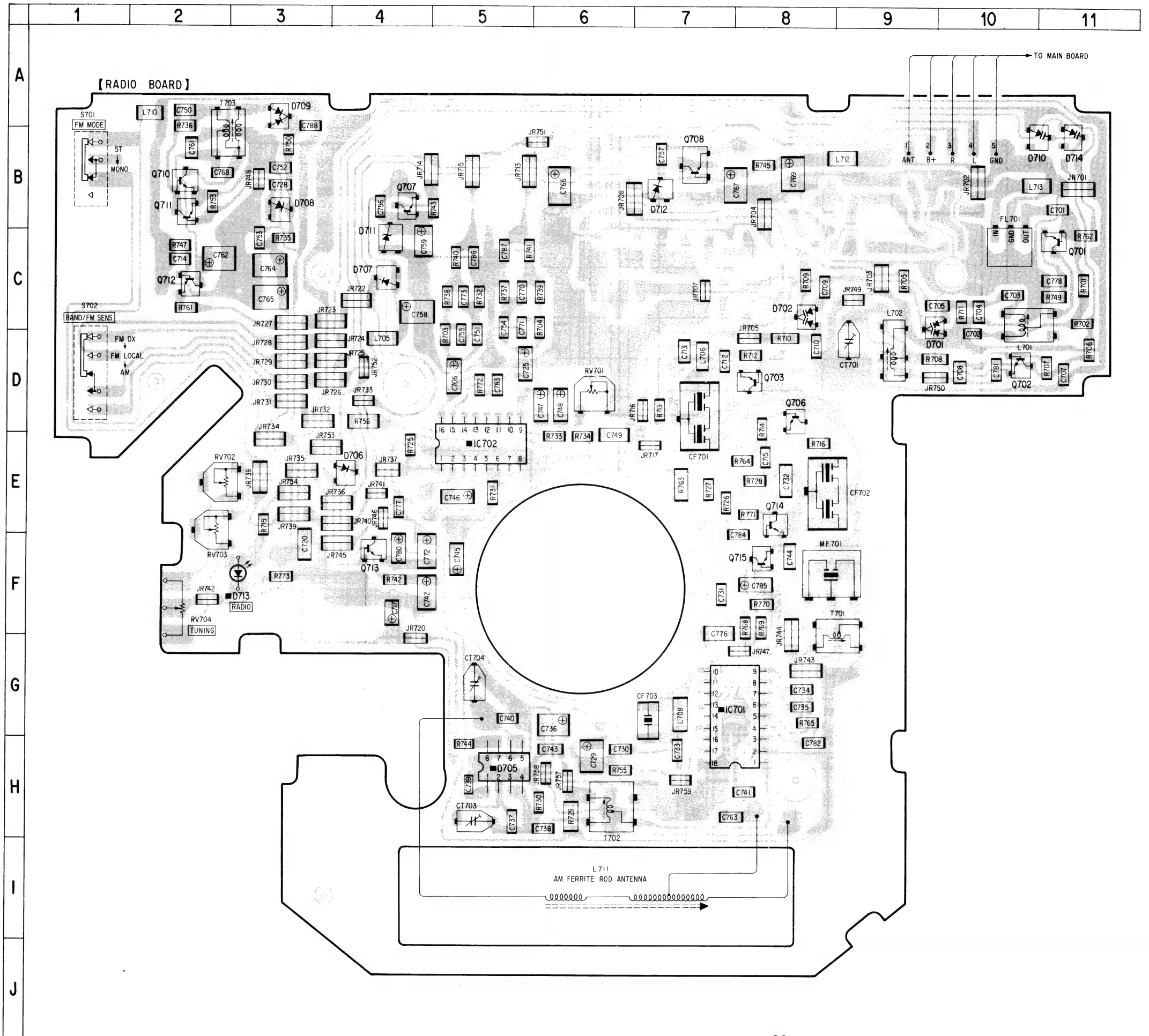
4-4. PRINTED WIRING BOARDS -RADIO SECTION- ● See page 13 for Semiconductors Leard Layouts

● Semiconductor Location

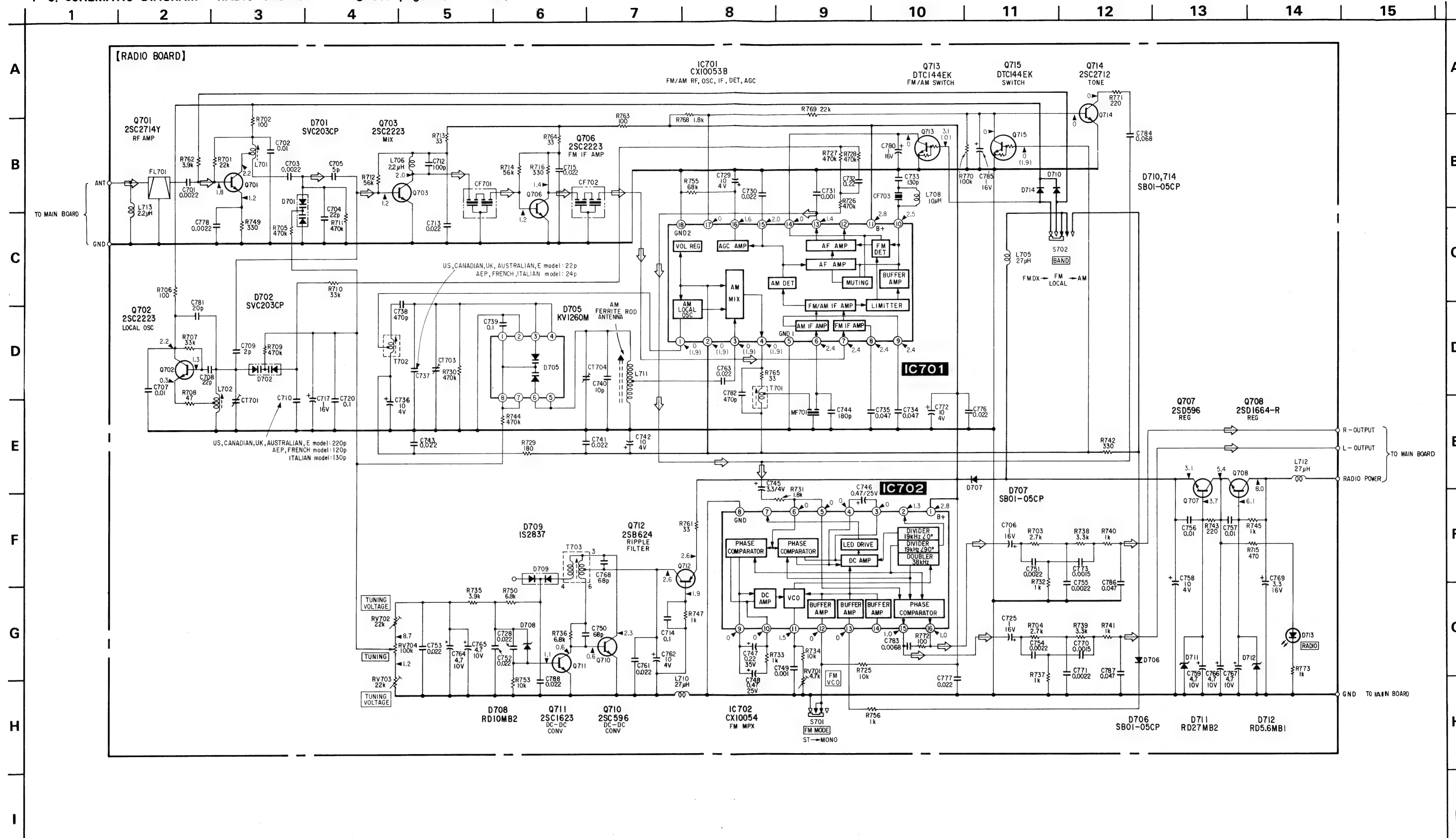
| Ref. No. | Location |
|----------|----------|
| D701 | C-10 |
| D702 | C-8 |
| D705 | H-5 |
| D706 | E-4 |
| D707 | C-4 |
| D708 | B-3 |
| D709 | A-3 |
| D710 | B-11 |
| D711 | C-4 |
| D712 | B-7 |
| D713 | F-13 |
| D714 | B-14 |
| IC701 | G-8 |
| IC702 | E-5 |
| Q701 | C-11 |
| Q702 | D-10 |
| Q703 | D-8 |
| Q706 | D-8 |
| Q707 | B-4 |
| Q708 | B-7 |
| Q710 | B-2 |
| Q711 | B-2 |
| Q712 | C-2 |
| Q713 | F-4 |
| Q714 | E-8 |
| Q715 | F-8 |

Note:

- : parts extracted from the component side.
- : parts extracted from the conductor side.
- : parts mounted on the conductor side.
- : Chip components extracted from the rear side.



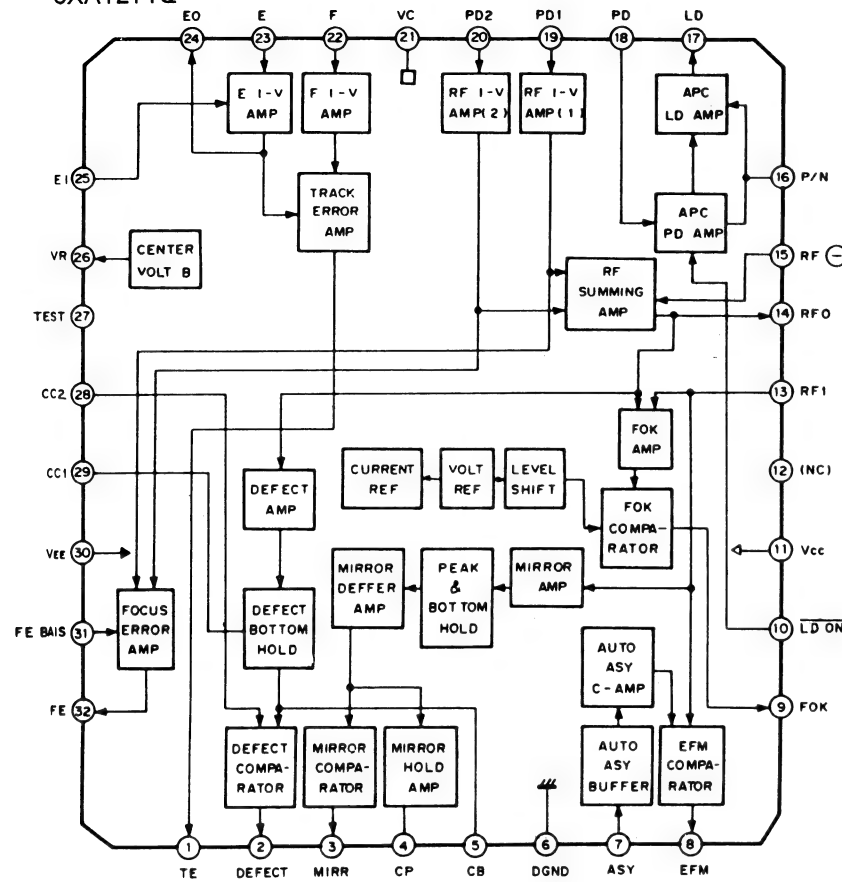
4-5. SCHEMATIC DIAGRAM -RADIO SECTION- ● See page 20 for note.



4-6. IC BLOCK DIAGRAM

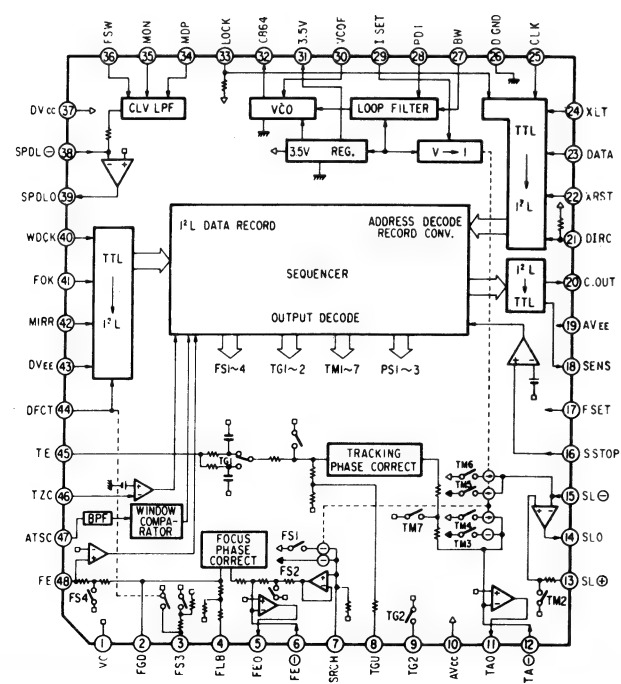
IC501

CXA1271Q



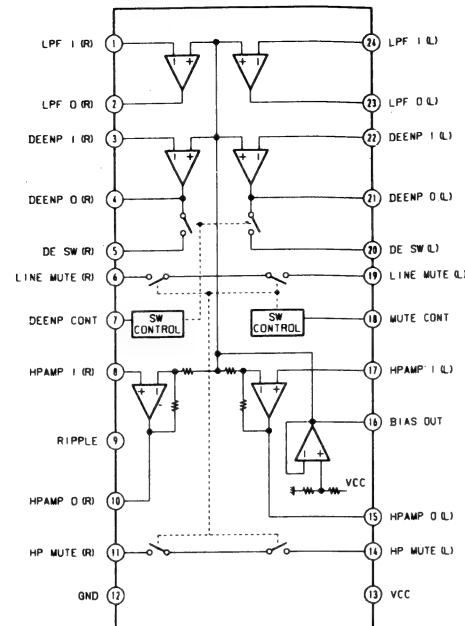
IC502

CXA1272Q-Z



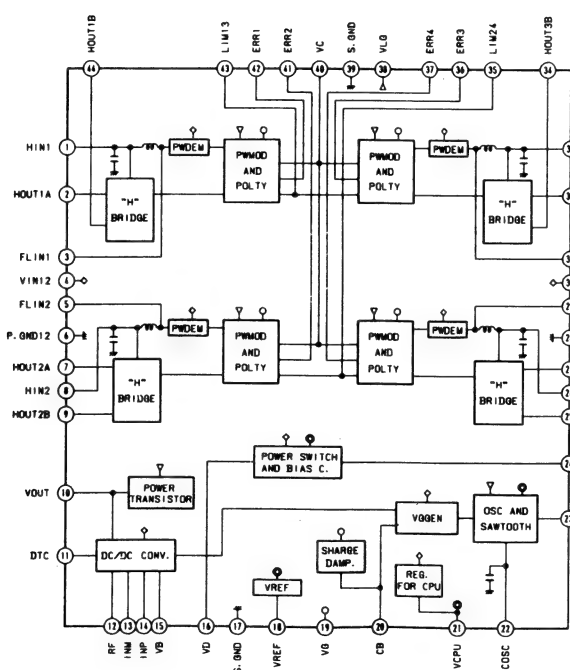
IC302

M51568FP



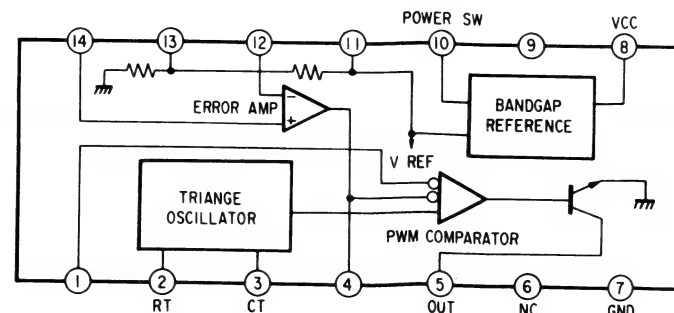
IC504

MPC1715



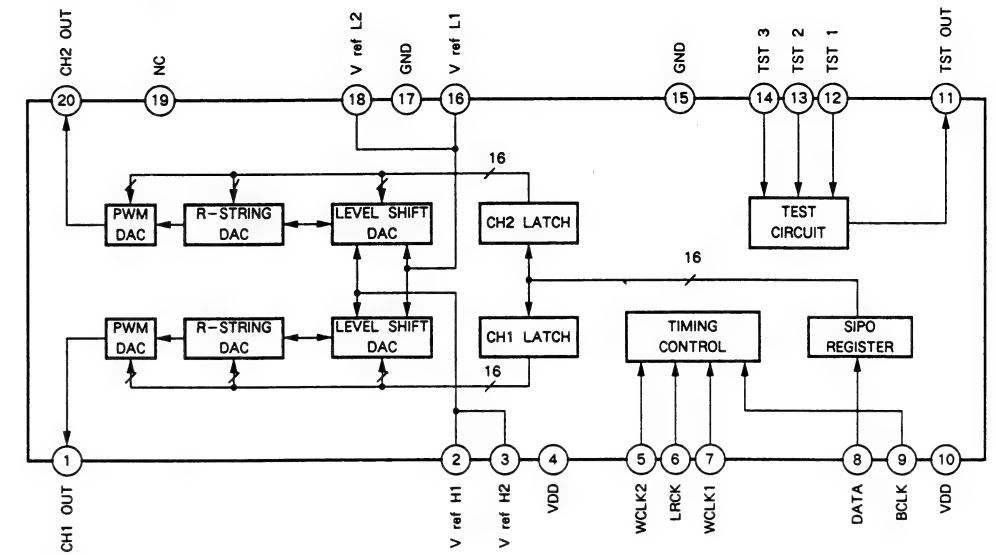
IC401

BA9700F



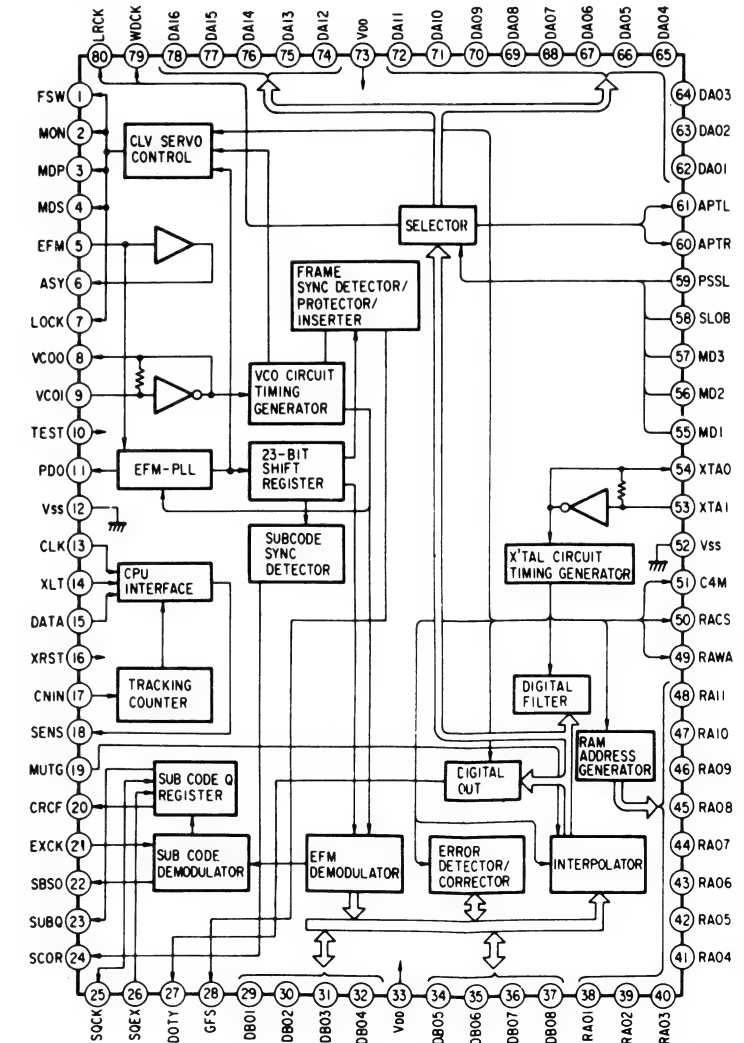
IC301

CXD1161M



IC601

CXD1130Q






SECTION 5 EXPLODED VIEWS

NOTE:

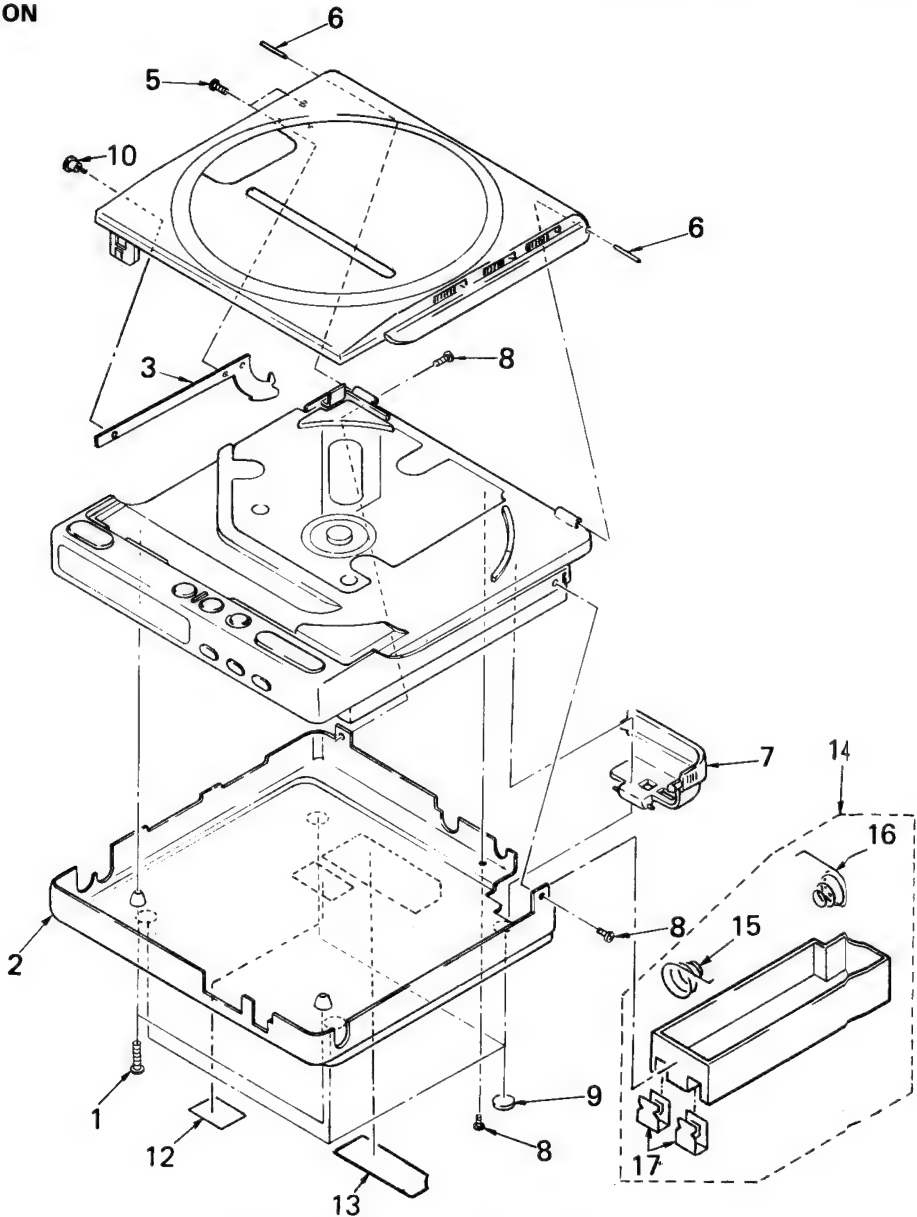
- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.

The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

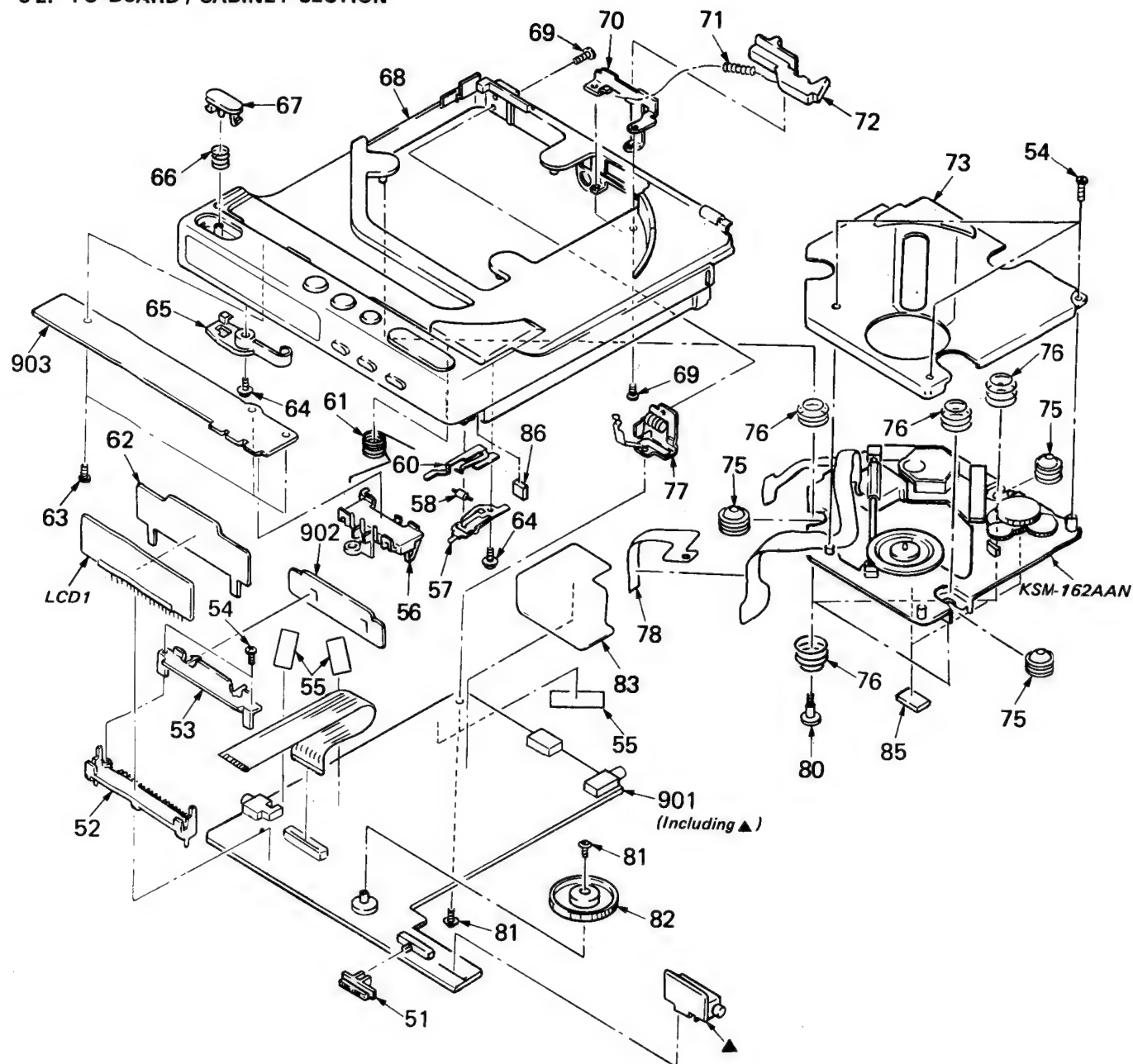
5-1. BOTTOM PANEL SECTION



| No. | Part No. | Description | Remarks |
|-----|---------------|---|---------|
| 1 | 4-908-792-71 | SCREW (B2X6), TAPPING, P1 | |
| 2 | X-4924-712-1 | PLATE ASSY, BOTTOM | |
| 3 | 4-924-713-01 | ARM, SWITCHING | |
| 5 | 4-924-765-01 | SCREW (M1.4), SPECIAL HEAD | |
| 6 | 4-924-714-01 | SHAFT (FULCRUM) | |
| 7 | 4-924-734-21 | LID, BATTERY CASE | |
| 8 | 3-703-816-52 | SCREW (M1.4X3.5), SPECIAL HEAD | |
| 9 | 4-912-641-11 | FOOT, RUBBER | |
| 10 | 3-329-697-11 | SCREW, STEP, PRECISION | |
| 12 | ★4-885-838-00 | (AEP,UK,French,Italian)...LABEL,CLASS 1 | |

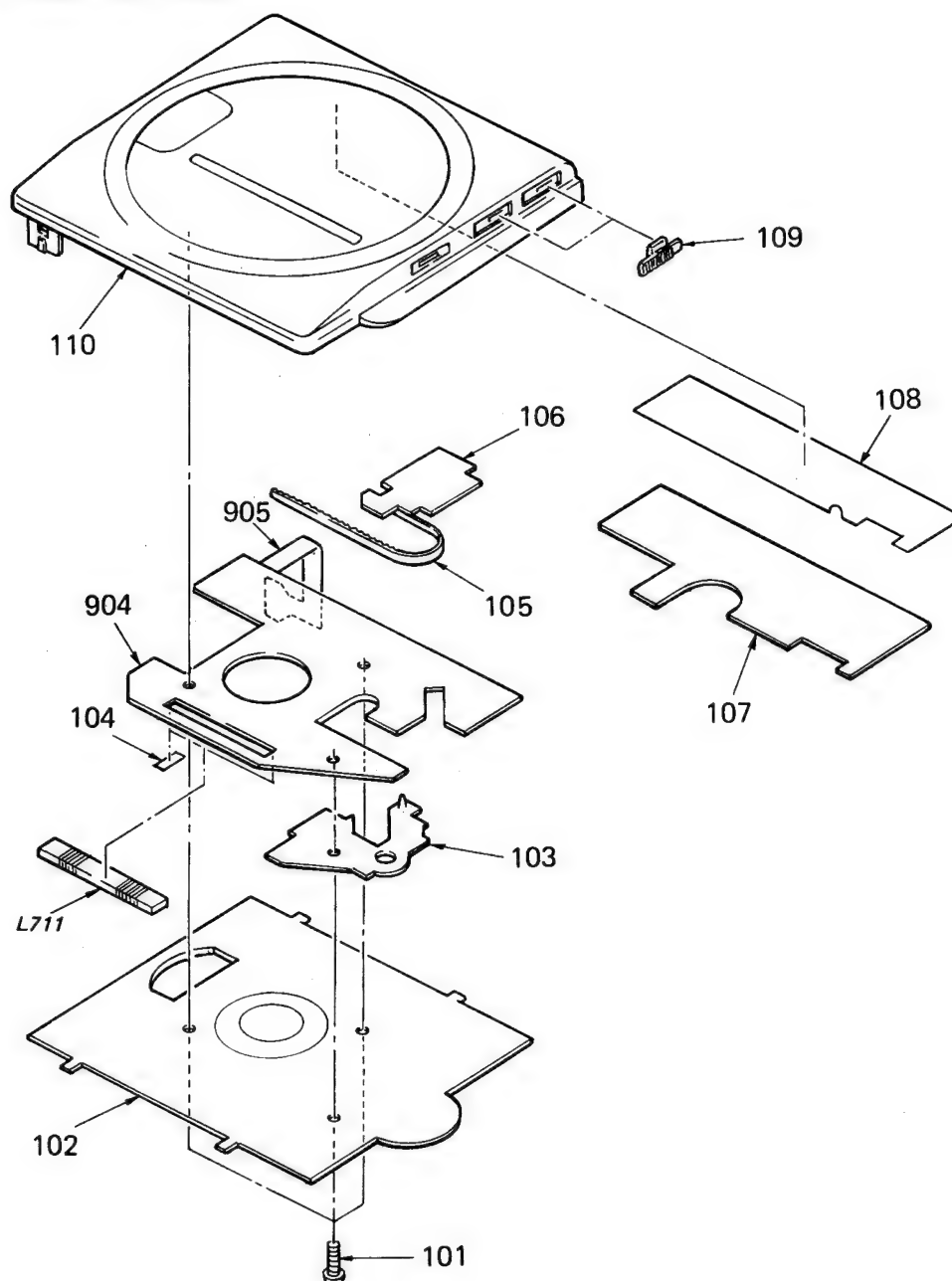
| No. | Part No. | Description | Remarks |
|-----|---------------|--|---------|
| 13 | *4-924-786-01 | (AEP)...LABEL, MODEL NUMBER (AE5) | |
| | *4-924-788-01 | (US,Canadian)...LABEL, MODEL NUMBER (U) | |
| | *4-926-601-01 | (UK,E,French,Australian) ...LABEL, MODEL NUMBER (E) | |
| | *4-924-759-01 | (Italian)...LABEL, MODEL NUMBER (IT1) | |
| 14 | X-4918-806-1 | (UK)...CASE ASSY (BLACK), 3 BATTERY | 15-17 |
| 15 | 4-918-803-01 | (UK)...SPRING | |
| 16 | 2-298-630-01 | (UK)...SPRING (RIGHT) | |
| 17 | 4-918-814-01 | (UK)...TERMINAL BOARD (B) | |

5-2. PC BOARD / CABINET SECTION



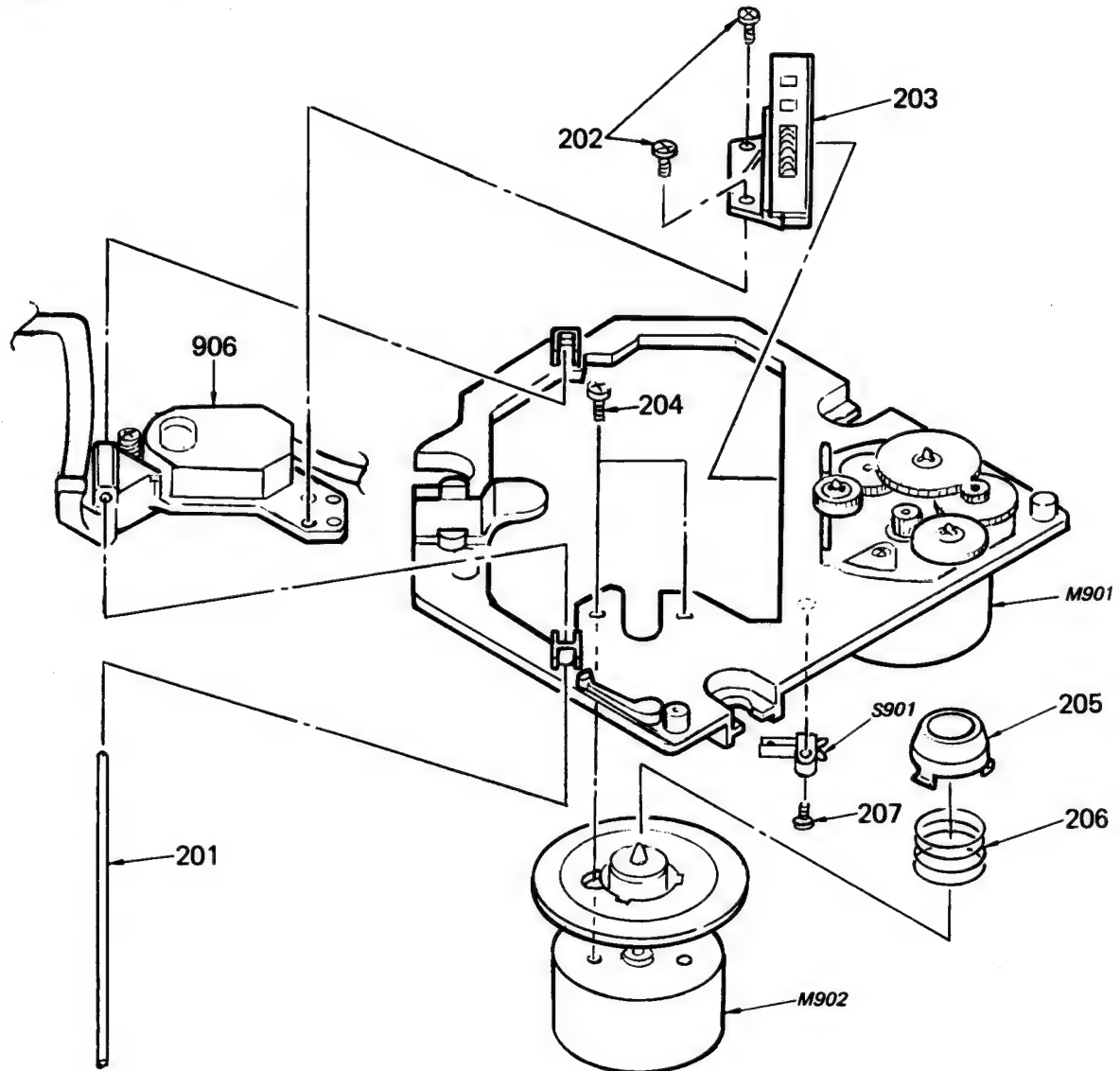
| No. | Part No. | Description | Remarks | No. | Part No. | Description | Remarks |
|-----|---------------|--------------------------------|---------|-----|---------------|------------------------------|---------|
| 51 | 4-924-724-01 | KNOB (HOLD) | | 70 | *4-924-721-01 | BRACKET, LOCK CLAW | |
| 52 | *4-924-730-01 | HOLDER, LCD | | 71 | 3-565-923-00 | SPRING, COMPRESSION | |
| 53 | *4-924-781-01 | HOLDER (LED) | | 72 | 4-924-733-01 | KNOB (LOCK CLAW) | |
| 54 | 3-893-942-01 | SCREW (1.7X4), TAPPING (B) | | 73 | X-4924-702-1 | COVER ASSY (BLACK), MD | |
| 55 | *3-561-902-00 | CLOTH, RETAINING, CASSETTE | | 75 | 4-924-705-01 | INSULATOR | |
| 56 | 4-924-731-01 | SPRING | | 76 | 4-924-710-01 | SPRING, COMPRESSION | |
| 57 | 4-924-763-01 | SPRING (BSA) | | 77 | *X-4924-701-1 | SPRING ASSY, CLICK | |
| 58 | 4-924-701-01 | ROLLER, BS | | 78 | 4-924-761-01 | PAPER (A), SHIELD | |
| 60 | 4-924-702-01 | SPRING (BSB) | | 80 | 4-924-718-01 | SCREW, INSULATOR | |
| 61 | 4-924-712-01 | SPRING, TORSION | | 81 | 3-335-797-21 | SCREW (M1.4X3), TOOTHED LOCK | |
| 62 | 4-924-709-01 | PLATE, LIGHT GUIDE | | 82 | 4-924-732-01 | KNOB (VOLUME) | |
| 63 | 4-908-792-71 | SCREW (B2X6), TAPPING, P1 | | 83 | *4-924-784-01 | SHEET, PROTECTION | |
| 64 | 4-924-703-01 | SCREW (B1.7X4), TAPPING | | 85 | 9-911-839-XX | SPACER | |
| 65 | 4-924-711-01 | CLAW, LID LOCK | | 86 | *3-329-460-01 | SPACER | |
| 66 | 3-553-530-00 | SPRING, COMPRESSION | | 901 | A-3015-626-A | PC BOARD ASSY, MAIN | |
| 67 | 4-924-760-01 | BUTTON (OPEN) | | 902 | *1-626-480-11 | PC BOARD, LED | |
| 68 | X-4924-711-1 | CABINET ASSY | | 903 | *1-625-771-11 | PC BOARD, CONTROL | |
| 69 | 3-703-816-52 | SCREW (M1.4X3.5), SPECIAL HEAD | | | | | |

5-3. UPPER PANEL SECTION





| No. | Part No. | Description | Remarks | No. | Part No. | Description | Remarks |
|-----|---------------|--------------------------------|---------|------|--------------|---------------------------------------|---------|
| 101 | 3-893-942-01 | SCREW (B1.7X4) | | 110 | X-4924-713-1 | (US,Canadian,UK,E,Australia) | |
| 102 | A-3039-654-A | COVER ASSY, TUNER | | | X-4924-714-1 | (AEP,French,Italian).LID ASSY, UPPER | |
| 103 | *4-924-773-01 | GUIDE, TU | | 904 | A-3015-627-A | (US,Canadian,UK,E,Australia) | |
| 104 | 3-831-441-XX | SPACER | | | A-3015-656-A | (AEP,French).....PC BOARD ASSY, RADIO | |
| 105 | *4-924-771-01 | RACK, POINTER | | | A-3015-673-A | (Italian).....PC BOARD ASSY, RADIO | |
| 106 | *4-918-884-01 | SHEET, COVER | | 905 | 1-626-980-11 | FREXIBLE BOARD, TU | |
| 107 | *4-924-774-01 | PLATE (T), SHIELD | | L711 | 1-402-381-11 | ANTENNA, FERRITE-ROD (AM) | |
| 108 | *4-924-787-01 | SHEET (SHIELD PAPER), ADHESIVE | | | | | |
| 109 | 4-924-770-01 | BUTTON (T MODE) | | | | | |


5-4. MECHANISM SECTION
(KSM-162A)



| No. | Part No. | Description | Remarks |
|-----|--------------|---------------------------------|---------|
| 201 | 2-641-534-01 | SHAFT | |
| 202 | 7-627-852-18 | SCREW, PRECISION +P 1.7X4 TYPE3 | |
| 203 | X-2641-523-1 | RACK ASSY | |
| 204 | 7-627-552-88 | SCREW, PRECISION +P 1.7X2.2 | |
| 205 | 2-641-539-01 | RING, CENTER | |
| 206 | 2-641-524-01 | SPRING (A), COMPRESSION | |

| No. | Part No. | Description | Remarks |
|------|----------------|-----------------------------|---------|
| 207 | 7-685-103-19 | SCREW +P 2X5 TYPE2 NON-SLIT | |
| 906 | Δ.8-848-081-21 | PICKUP, OPTICAL KSS-162A | |
| M901 | X-2641-525-1 | MOTOR ASSY | |
| M902 | X-2641-521-1 | MOTOR ASSY, T.T. | |
| S901 | 1-570-112-11 | SWITCH, LEAF (LIMIT SWITCH) | |

Note:
The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

Note:
Les composants identifiés par une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

SECTION 6 ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:MF: μ F, PF: μ F.**RESISTORS**

- All resistors are in ohms.
- F: nonflammable

COILS

- MMH: mH, UH: μ H

SEMICONDUCTORSIn each case, U: μ , for example:UA....: μ A...., UPA....: μ PA....,UPC....: μ PC, UPD....: μ PD....

| Ref.No. | Part No. | Description | | | | Ref.No. | Part No. | Description | | | |
|---------|---------------|--|--------|------|--|---------|--------------|-----------------------|-----|------|--|
| 901 | A-3015-626-A | PC BOARD ASSY, MAIN | | | | C404 | 1-163-111-00 | CERAMIC CHIP 56PF | 5% | 50V | |
| 902 | *1-626-480-11 | PC BOARD, LED | | | | C405 | 1-163-125-00 | CERAMIC CHIP 220PF | 5% | 50V | |
| 903 | *1-625-771-11 | PC BOARD, CONTROL | | | | C406 | 1-124-584-00 | ELECT 100MF | 20% | 10V | |
| 904 | A-3015-627-A | (US,Canadian,UK,E,Australian) ...PC BOARD ASSY, RADIO | | | | C407 | 1-124-257-00 | ELECT 2.2MF | 20% | 50V | |
| | A-3015-656-A | (AEP,French)....PC BOARD ASSY, RADIO | | | | C411 | 1-126-157-11 | ELECT 10MF | 20% | 16V | |
| | A-3015-673-A | (Italian).....PC BOARD ASSY, RADIO | | | | C412 | 1-126-094-11 | ELECT 4.7MF | 20% | 16V | |
| 905 | 1-626-980-11 | FREXIBLE BOARD, TU | | | | C414 | 1-126-157-11 | ELECT 10MF | 20% | 16V | |
| 906 | ▲8-848-081-21 | PICKUP, OPTICAL KSS-162A | | | | C416 | 1-124-234-00 | ELECT 22MF | 20% | 16V | |
| | | | | | | C417 | 1-163-038-00 | CERAMIC CHIP 0.1MF | | 25V | |
| C101 | 1-163-086-00 | CERAMIC CHIP 3PF | 0.25PF | 50V | | C418 | 1-163-038-00 | CERAMIC CHIP 0.1MF | | 25V | |
| C102 | 1-126-157-11 | ELECT 10MF | 20% | 16V | | C419 | 1-135-092-21 | TANTAL. CHIP 3.3MF | 20% | 16V | |
| C103 | 1-163-212-00 | CERAMIC CHIP 0.002MF | 5% | 50V | | C420 | 1-135-092-21 | TANTAL. CHIP 3.3MF | 20% | 16V | |
| C104 | 1-163-205-00 | CERAMIC CHIP 0.001MF | 5% | 50V | | C421 | 1-163-017-00 | CERAMIC CHIP 0.0047MF | 10% | 50V | |
| C105 | 1-163-111-00 | CERAMIC CHIP 56PF | 5% | 50V | | C422 | 1-163-137-00 | CERAMIC CHIP 680PF | 5% | 50V | |
| C106 | 1-163-013-00 | CERAMIC CHIP 0.0022MF | 10% | 50V | | C423 | 1-162-638-11 | CERAMIC CHIP 1MF | | 16V | |
| C107 | 1-135-099-00 | TANTAL. CHIP 2.2MF | 20% | 6.3V | | C424 | 1-163-135-00 | CERAMIC CHIP 560PF | 5% | 50V | |
| C108 | 1-135-099-00 | TANTAL. CHIP 2.2MF | 20% | 6.3V | | C425 | 1-163-021-00 | CERAMIC CHIP 0.01MF | 10% | 50V | |
| C109 | 1-124-584-00 | ELECT 100MF | 20% | 10V | | C426 | 1-162-638-11 | CERAMIC CHIP 1MF | | 16V | |
| C110 | 1-163-117-00 | CERAMIC CHIP 100PF | 5% | 50V | | C427 | 1-163-075-00 | CERAMIC CHIP 0.047MF | 10% | 25V | |
| C201 | 1-163-086-00 | CERAMIC CHIP 3PF | 0.25PF | 50V | | C429 | 1-162-638-11 | CERAMIC CHIP 1MF | | 16V | |
| C202 | 1-126-157-11 | ELECT 10MF | 20% | 16V | | C430 | 1-135-099-00 | TANTAL. CHIP 2.2MF | 20% | 6.3V | |
| C203 | 1-163-212-00 | CERAMIC CHIP 0.002MF | 5% | 50V | | C501 | 1-163-038-00 | CERAMIC CHIP 0.1MF | | 25V | |
| C204 | 1-163-205-00 | CERAMIC CHIP 0.001MF | 5% | 50V | | C502 | 1-163-021-00 | CERAMIC CHIP 0.01MF | 10% | 50V | |
| C205 | 1-163-111-00 | CERAMIC CHIP 56PF | 5% | 50V | | C503 | 1-124-431-00 | ELECT 33MF | 20% | 4V | |
| C206 | 1-163-013-00 | CERAMIC CHIP 0.0022MF | 10% | 50V | | C505 | 1-163-078-11 | CERAMIC CHIP 0.033MF | 10% | 25V | |
| C207 | 1-135-099-00 | TANTAL. CHIP 2.2MF | 20% | 6.3V | | C506 | 1-163-021-00 | CERAMIC CHIP 0.01MF | 10% | 50V | |
| C208 | 1-135-099-00 | TANTAL. CHIP 2.2MF | 20% | 6.3V | | C507 | 1-135-070-00 | TANTAL. CHIP 0.1MF | 20% | 35V | |
| C209 | 1-124-584-00 | ELECT 100MF | 20% | 10V | | C508 | 1-163-038-00 | CERAMIC CHIP 0.1MF | | 25V | |
| C210 | 1-163-117-00 | CERAMIC CHIP 100PF | 5% | 50V | | C509 | 1-124-431-00 | ELECT 33MF | 20% | 4V | |
| C301 | 1-124-584-00 | ELECT 100MF | 20% | 10V | | C510 | 1-163-038-00 | CERAMIC CHIP 0.1MF | | 25V | |
| C302 | 1-124-584-00 | ELECT 100MF | 20% | 10V | | C511 | 1-163-021-00 | CERAMIC CHIP 0.01MF | 10% | 50V | |
| C305 | 1-126-157-11 | ELECT 10MF | 20% | 16V | | C512 | 1-124-584-00 | ELECT 100MF | 20% | 10V | |
| C306 | 1-124-584-00 | ELECT 100MF | 20% | 10V | | C513 | 1-124-431-00 | ELECT 33MF | 20% | 4V | |
| C307 | 1-124-584-00 | ELECT 100MF | 20% | 10V | | C514 | 1-163-095-00 | CERAMIC CHIP 12PF | 5% | 50V | |
| C308 | 1-163-117-00 | CERAMIC CHIP 100PF | 5% | 50V | | C515 | 1-163-181-00 | CERAMIC CHIP 100PF | 5% | 50V | |
| C309 | 1-163-117-00 | CERAMIC CHIP 100PF | 5% | 50V | | C516 | 1-163-038-00 | CERAMIC CHIP 0.1MF | | 25V | |
| C311 | 1-135-092-21 | TANTAL. CHIP 3.3MF | 20% | 16V | | C517 | 1-163-038-00 | CERAMIC CHIP 0.1MF | | 25V | |
| C312 | 1-135-092-21 | TANTAL. CHIP 3.3MF | 20% | 16V | | C518 | 1-163-021-00 | CERAMIC CHIP 0.01MF | 10% | 50V | |
| C321 | 1-135-099-00 | TANTAL. CHIP 2.2MF | 20% | 6.3V | | C519 | 1-163-038-00 | CERAMIC CHIP 0.1MF | | 25V | |
| C322 | 1-135-099-00 | TANTAL. CHIP 2.2MF | 20% | 6.3V | | C520 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 25V | |
| C323 | 1-163-021-00 | CERAMIC CHIP 0.01MF | 10% | 50V | | C521 | 1-163-117-00 | CERAMIC CHIP 100PF | 5% | 50V | |
| C324 | 1-163-021-00 | CERAMIC CHIP 0.01MF | 10% | 50V | | C522 | 1-124-239-00 | ELECT 6.8MF | 20% | 25V | |
| C401 | 1-163-021-00 | CERAMIC CHIP 0.01MF | 10% | 50V | | C523 | 1-124-239-00 | ELECT 6.8MF | 20% | 25V | |
| C402 | 1-163-021-00 | CERAMIC CHIP 0.01MF | 10% | 50V | | C524 | 1-126-153-11 | ELECT 22MF | 20% | 6.3V | |
| C403 | 1-126-357-11 | ELECT 150MF | 20% | 16V | | C525 | 1-163-038-00 | CERAMIC CHIP 0.1MF | | 25V | |

| Ref.No. | Part No. | Description | | | |
|---------|--------------|--|--------|------|--|
| C527 | 1-163-081-00 | CERAMIC CHIP 0.22MF | | 25V | |
| C528 | 1-126-153-11 | ELECT 22MF | 20% | 6.3V | |
| C529 | 1-163-125-00 | CERAMIC CHIP 220PF | 5% | 50V | |
| C531 | 1-163-038-00 | CERAMIC CHIP 0.1MF | | 25V | |
| C532 | 1-163-038-00 | CERAMIC CHIP 0.1MF | | 25V | |
| C533 | 1-162-638-11 | CERAMIC CHIP 1MF | | 16V | |
| C534 | 1-163-038-00 | CERAMIC CHIP 0.1MF | | 25V | |
| C535 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 10% | 50V | |
| C536 | 1-163-078-11 | CERAMIC CHIP 0.033MF | 10% | 25V | |
| C537 | 1-135-145-11 | TANTAL. CHIP 0.47MF | 20% | 25V | |
| C538 | 1-124-434-00 | ELECT 220MF | 20% | 4V | |
| C539 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 10% | 50V | |
| C540 | 1-162-637-11 | CERAMIC CHIP 0.47MF | | 16V | |
| C543 | 1-124-255-00 | ELECT 1MF | 20% | 50V | |
| C544 | 1-126-157-11 | ELECT 10MF | 20% | 16V | |
| C546 | 1-163-986-00 | CERAMIC CHIP 0.027MF | 10% | 25V | |
| C547 | 1-162-638-11 | CERAMIC CHIP 1MF | | 16V | |
| C548 | 1-126-162-11 | ELECT 3.3MF | 20% | 50V | |
| C549 | 1-126-157-11 | ELECT 10MF | 20% | 16V | |
| C550 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 5% | 50V | |
| C551 | 1-126-157-11 | ELECT 10MF | 20% | 16V | |
| C552 | 1-124-255-00 | ELECT 1MF | 20% | 50V | |
| C553 | 1-162-638-11 | CERAMIC CHIP 1MF | | 16V | |
| C554 | 1-162-637-11 | CERAMIC CHIP 0.47MF | | 16V | |
| C555 | 1-163-081-00 | CERAMIC CHIP 0.22MF | | 25V | |
| C556 | 1-163-143-00 | CERAMIC CHIP 0.0012MF | 10% | 50V | |
| C557 | 1-163-017-00 | CERAMIC CHIP 0.0047MF | 10% | 50V | |
| C558 | 1-163-038-00 | CERAMIC CHIP 0.1MF | | 25V | |
| C559 | 1-124-584-00 | ELECT 100MF | 20% | 10V | |
| C561 | 1-163-038-00 | CERAMIC CHIP 0.1MF | | 25V | |
| C562 | 1-162-638-11 | CERAMIC CHIP 1MF | | 16V | |
| C601 | 1-163-038-00 | CERAMIC CHIP 0.1MF | | 25V | |
| C602 | 1-163-101-00 | CERAMIC CHIP 22PF | 5% | 50V | |
| C603 | 1-163-101-00 | CERAMIC CHIP 22PF | 5% | 50V | |
| C604 | 1-163-038-00 | CERAMIC CHIP 0.1MF | | 25V | |
| C605 | 1-162-638-11 | CERAMIC CHIP 1MF | | 16V | |
| C606 | 1-163-117-00 | CERAMIC CHIP 100PF | 5% | 50V | |
| C607 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 25V | |
| C701 | 1-163-013-00 | CERAMIC CHIP 0.0022MF | 10% | 50V | |
| C702 | 1-163-021-00 | CERAMIC CHIP 0.01MF | 10% | 50V | |
| C703 | 1-163-013-00 | CERAMIC CHIP 0.0022MF | 10% | 50V | |
| C704 | 1-163-101-00 | CERAMIC CHIP 22PF | 5% | 50V | |
| C705 | 1-163-088-00 | CERAMIC CHIP 5PF | 0.25PF | 50V | |
| C706 | 1-135-091-00 | TANTAL. CHIP 1MF | 20% | 16V | |
| C707 | 1-163-021-00 | CERAMIC CHIP 0.01MF | 10% | 50V | |
| C708 | 1-163-101-00 | CERAMIC CHIP 22PF | 5% | 50V | |
| C709 | 1-163-085-00 | CERAMIC CHIP 2PF | 0.25PF | 50V | |
| C710 | 1-163-125-00 | (US,Canadian,UK,E,Australian) ...CERAMIC CHIP 220PF | 5% | 50V | |
| C710 | 1-163-119-00 | (AEP,French)...CERAMIC CHIP 120PF | 5% | 50V | |
| C710 | 1-163-120-00 | (Italian)....CERAMIC CHIP 130PF | 5% | 50V | |
| C712 | 1-163-117-00 | CERAMIC CHIP 100PF | 5% | 50V | |
| C713 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 25V | |

| Ref.No. | Part No. | Description | | | |
|---------|--------------|---|-----|-----|--|
| C714 | 1-163-038-00 | CERAMIC CHIP 0.1MF | | 25V | |
| C715 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 25V | |
| C717 | 1-135-091-00 | TANTAL. CHIP 1MF | 20% | 16V | |
| C720 | 1-163-077-00 | CERAMIC CHIP 0.1MF | 10% | 25V | |
| C725 | 1-135-091-00 | TANTAL. CHIP 1MF | 20% | 16V | |
| C728 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 25V | |
| C729 | 1-135-157-21 | TANTAL. CHIP 10MF | 20% | 4V | |
| C730 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 25V | |
| C731 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 10% | 50V | |
| C732 | 1-163-081-00 | CERAMIC CHIP 0.22MF | | 25V | |
| C733 | 1-163-120-00 | CERAMIC CHIP 130PF | 5% | 50V | |
| C734 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% | 25V | |
| C735 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% | 25V | |
| C736 | 1-135-157-21 | TANTAL. CHIP 10MF | 20% | 4V | |
| C737 | 1-163-101-00 | (US,Canadian,UK,E,Australian) ...CERAMIC CHIP 22PF | 5% | 50V | |
| C737 | 1-163-102-00 | (AEP,French,Italian) ...CERAMIC CHIP 24PF | 5% | 50V | |
| C738 | 1-163-133-00 | CERAMIC CHIP 470PF | 5% | 50V | |
| C739 | 1-163-038-00 | CERAMIC CHIP 0.1MF | | 25V | |
| C740 | 1-163-093-00 | CERAMIC CHIP 10PF | 5% | 50V | |
| C741 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 25V | |
| C742 | 1-135-104-00 | TANTAL. CHIP 10MF | 20% | 4V | |
| C743 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 25V | |
| C744 | 1-163-123-00 | CERAMIC CHIP 180PF | 5% | 50V | |
| C745 | 1-135-103-00 | TANTAL. CHIP 3.3MF | 20% | 4V | |
| C746 | 1-135-145-11 | TANTAL. CHIP 0.47MF | 20% | 25V | |
| C747 | 1-135-072-21 | TANTAL. CHIP 0.22MF | 20% | 35V | |
| C748 | 1-135-145-11 | TANTAL. CHIP 0.47MF | 20% | 25V | |
| C749 | 1-163-205-00 | CERAMIC CHIP 0.001MF | 5% | 50V | |
| C750 | 1-163-113-00 | CERAMIC CHIP 68PF | 5% | 50V | |
| C751 | 1-163-013-00 | CERAMIC CHIP 0.0022MF | 10% | 50V | |
| C752 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 25V | |
| C753 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 25V | |
| C754 | 1-163-013-00 | CERAMIC CHIP 0.0022MF | 10% | 50V | |
| C755 | 1-163-013-00 | CERAMIC CHIP 0.0022MF | 10% | 50V | |
| C756 | 1-163-021-00 | CERAMIC CHIP 0.01MF | 10% | 50V | |
| C757 | 1-163-021-00 | CERAMIC CHIP 0.01MF | 10% | 50V | |
| C758 | 1-135-157-21 | TANTAL. CHIP 10MF | 20% | 4V | |
| C759 | 1-135-096-21 | TANTAL. CHIP 4.7MF | 20% | 10V | |
| C761 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 25V | |
| C762 | 1-135-157-21 | TANTAL. CHIP 10MF | 20% | 4V | |
| C763 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 25V | |
| C764 | 1-135-096-21 | TANTAL. CHIP 4.7MF | 20% | 10V | |
| C765 | 1-135-096-21 | TANTAL. CHIP 4.7MF | 20% | 10V | |
| C766 | 1-135-096-21 | TANTAL. CHIP 4.7MF | 20% | 10V | |
| C767 | 1-135-096-21 | TANTAL. CHIP 4.7MF | 20% | 10V | |
| C768 | 1-163-113-00 | CERAMIC CHIP 68PF | 5% | 50V | |
| C769 | 1-135-092-21 | TANTAL. CHIP 3.3MF | 20% | 16V | |
| C770 | 1-163-145-00 | CERAMIC CHIP 0.0015MF | 10% | 50V | |
| C771 | 1-163-013-00 | CERAMIC CHIP 0.0022MF | 10% | 50V | |
| C772 | 1-135-157-21 | TANTAL. CHIP 10MF | 20% | 4V | |
| C773 | 1-163-145-00 | CERAMIC CHIP 0.0015MF | 10% | 50V | |
| C776 | 1-163-063-00 | CERAMIC CHIP 0.022MF | 10% | 50V | |
| C777 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 25V | |
| C778 | 1-163-013-00 | CERAMIC CHIP 0.0022MF | 10% | 50V | |
| C780 | 1-135-091-00 | TANTAL. CHIP 1MF | 20% | 16V | |

| Ref.No. | Part No. | Description | | |
|---------|--------------|-------------------------------|-----|-----|
| C781 | 1-163-100-00 | CERAMIC CHIP 20PF | 5% | 50V |
| C782 | 1-163-133-00 | CERAMIC CHIP 470PF | 5% | 50V |
| C783 | 1-163-019-00 | CERAMIC CHIP 0.0068MF | 10% | 50V |
| C784 | 1-163-036-00 | CERAMIC CHIP 0.068MF | | 50V |
| C785 | 1-135-091-00 | TANTAL. CHIP 1MF | 20% | 16V |
| C786 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% | 25V |
| C787 | 1-163-809-11 | CERAMIC CHIP 0.047MF | 10% | 25V |
| C788 | 1-163-037-11 | CERAMIC CHIP 0.022MF | 10% | 25V |
| C801 | 1-163-141-00 | CERAMIC CHIP 0.001MF | 5% | 50V |
| C802 | 1-163-038-00 | CERAMIC CHIP 0.1MF | | 25V |
| C803 | 1-124-257-00 | ELECT 2.2MF | 20% | 50V |
| C804 | 1-124-257-00 | ELECT 2.2MF | 20% | 50V |
| C805 | 1-163-113-00 | CERAMIC CHIP 68PF | 5% | 50V |
| C806 | 1-163-113-00 | CERAMIC CHIP 68PF | 5% | 50V |
| C807 | 1-163-021-00 | CERAMIC CHIP 0.01MF | 10% | 50V |
| C808 | 1-162-638-11 | CERAMIC CHIP 1MF | | 16V |
| C809 | 1-135-091-00 | TANTAL. CHIP 1MF | 20% | 16V |
| C810 | 1-162-638-11 | CERAMIC CHIP 1MF | | 16V |
| C811 | 1-163-038-00 | CERAMIC CHIP 0.1MF | | 25V |
| CF701 | 1-567-338-65 | FILTER, CERAMIC | | |
| CF702 | 1-567-338-65 | FILTER, CERAMIC | | |
| CF703 | 1-567-338-65 | FILTER, CERAMIC | | |
| CN301 | 1-563-995-11 | CONNECTOR, FPC (ZIF) 5P | | |
| CN501 | 1-566-976-11 | SOCKET, CONNECTOR 12P | | |
| CN502 | 1-565-309-11 | CONNECTOR, FLEXIBLE 4P | | |
| CN801 | 1-563-589-11 | CONNECTOR, FLEXIBLE 12P | | |
| CN802 | 1-563-615-11 | CONNECTOR, FLEXIBLE 12P | | |
| CNJ401 | 1-562-961-11 | JACK (DC IN 9V) | | |
| CT701 | 1-141-313-11 | CAP, VAR, TRIMMER (CHIP TYPE) | | |
| CT703 | 1-141-313-11 | CAP, VAR, TRIMMER (CHIP TYPE) | | |
| CT704 | 1-141-313-11 | CAP, VAR, TRIMMER (CHIP TYPE) | | |
| D322 | 8-719-938-72 | DIODE SB01-05CP | | |
| D401 | 8-719-938-78 | DIODE SB10-05PCP | | |
| D402 | 8-719-106-22 | DIODE RD7.5M-B1 | | |
| D403 | 8-719-938-78 | DIODE SB10-05PCP | | |
| D405 | 8-719-938-78 | DIODE SB10-05PCP | | |
| D406 | 8-719-101-23 | DIODE 1SS123 | | |
| D407 | 8-719-100-05 | DIODE 1S2837 | | |
| D409 | 8-719-938-75 | DIODE SB05-05CP | | |
| D410 | 8-719-938-78 | DIODE SB10-05PCP | | |
| D411 | 8-719-927-82 | DIODE SLP478C | | |
| D412 | 8-719-100-05 | DIODE 1S2837 | | |
| D413 | 8-719-938-75 | DIODE SB05-05CP | | |
| D415 | 8-719-927-82 | DIODE SLP478C | | |
| D416 | 8-719-927-82 | DIODE SLP478C | | |
| D417 | 8-719-927-82 | DIODE SLP478C | | |
| D418 | 8-719-105-91 | DIODE RD5.6M-B2 | | |
| D419 | 8-719-938-72 | DIODE SB01-05CP | | |
| D420 | 8-719-108-12 | DIODE RD9.1EW | | |
| D501 | 8-719-938-72 | DIODE SB01-05CP | | |
| D502 | 8-719-938-72 | DIODE SB01-05CP | | |
| D503 | 8-719-938-72 | DIODE SB01-05CP | | |
| D504 | 8-719-106-53 | DIODE RD10M-B2 | | |
| D505 | 8-719-100-05 | DIODE 1S2837 | | |
| D506 | 8-719-108-12 | DIODE RD9.1EW | | |
| D507 | 8-719-911-19 | DIODE 1SS119 | | |
| D601 | 8-719-100-05 | DIODE 1S2837 | | |
| D701 | 8-719-939-02 | DIODE SVC203CP | | |

| Ref.No. | Part No. | Description | | |
|---------|--------------|-------------------|---|----------|
| D702 | 8-719-939-02 | DIODE SVC203CP | | |
| D705 | 8-719-928-03 | DIODE KV1260M | | |
| D706 | 8-719-938-72 | DIODE SB01-05CP | | |
| D707 | 8-719-938-72 | DIODE SB01-05CP | | |
| D708 | 8-719-106-53 | DIODE RD10M-B2 | | |
| D709 | 8-719-100-05 | DIODE 1S2837 | | |
| D710 | 8-719-938-72 | DIODE SB01-05CP | | |
| D711 | 8-719-105-32 | DIODE RD2.7M-B2 | | |
| D712 | 8-719-105-90 | DIODE RD5.6M-B1 | | |
| D713 | 8-719-928-16 | DIODE SLM-13VW | | |
| D714 | 8-719-938-72 | DIODE SB01-05CP | | |
| D801 | 8-719-951-22 | DIODE 1MN10 | | |
| D803 | 8-719-951-22 | DIODE 1MN10 | | |
| D804 | 8-719-100-05 | DIODE 1S2837 | | |
| D805 | 8-719-106-70 | DIODE RD12M-B1 | | |
| D806 | 8-719-100-05 | DIODE 1S2837 | | |
| D807 | 8-719-100-05 | DIODE 1S2837 | | |
| D808 | 8-719-100-03 | DIODE 1S2835 | | |
| D809 | 8-719-100-03 | DIODE 1S2835 | | |
| D810 | 8-719-911-19 | DIODE 1SS119 | | |
| FL701 | 1-236-053-11 | FILTER, BAND PASS | | |
| IC301 | 8-759-805-34 | IC CXD1161M-3 | | |
| IC302 | 8-759-630-75 | IC M51568FP | | |
| IC303 | 8-759-745-64 | IC NJM4560M | | |
| IC401 | 8-759-939-07 | IC BA9700F | | |
| IC501 | 8-752-033-55 | IC CXA1271Q | | |
| IC502 | 8-752-033-54 | IC CXA1272Q-Z | | |
| IC503 | 8-759-970-89 | IC BA10358F | | |
| IC504 | 8-759-030-17 | IC MPC1715 | | |
| IC505 | 8-759-230-43 | IC TC7504F | | |
| IC601 | 8-759-947-03 | IC CXD1130Q | | |
| IC602 | 8-759-320-44 | IC CXK5816M-10L | | |
| IC701 | 8-759-923-96 | IC CX10053B | | |
| IC702 | 8-759-910-53 | IC CX10054 | | |
| IC801 | 8-752-804-07 | IC CXP5086-026Q | | |
| IC802 | 8-759-700-07 | IC NJM2903M | | |
| J301 | 1-565-310-11 | JACK (LINE OUT) | | |
| J302 | 1-565-311-11 | JACK (PHONES) | | |
| J801 | 1-562-870-31 | JACK (REMOTE) | | |
| JR303 | 1-216-295-00 | METAL GLAZE | 0 | 5% 1/10W |
| JR304 | 1-216-295-00 | METAL GLAZE | 0 | 5% 1/10W |
| JR305 | 1-216-296-00 | METAL GLAZE | 0 | 5% 1/8W |
| JR307 | 1-216-295-00 | METAL GLAZE | 0 | 5% 1/10W |
| JR401 | 1-216-295-00 | METAL GLAZE | 0 | 5% 1/10W |
| JR402 | 1-216-295-00 | METAL GLAZE | 0 | 5% 1/10W |
| JR403 | 1-216-295-00 | METAL GLAZE | 0 | 5% 1/10W |
| JR404 | 1-216-295-00 | METAL GLAZE | 0 | 5% 1/10W |
| JR406 | 1-216-296-00 | METAL GLAZE | 0 | 5% 1/8W |
| JR501 | 1-216-295-00 | METAL GLAZE | 0 | 5% 1/10W |
| JR502 | 1-216-295-00 | METAL GLAZE | 0 | 5% 1/10W |
| JR701 | 1-216-296-00 | METAL GLAZE | 0 | 5% 1/8W |
| JR702 | 1-216-296-00 | METAL GLAZE | 0 | 5% 1/8W |
| JR703 | 1-216-296-00 | METAL GLAZE | 0 | 5% 1/8W |
| JR704 | 1-216-296-00 | METAL GLAZE | 0 | 5% 1/8W |
| JR705 | 1-216-295-00 | METAL GLAZE | 0 | 5% 1/10W |
| JR707 | 1-216-295-00 | METAL GLAZE | 0 | 5% 1/10W |
| JR708 | 1-216-296-00 | METAL GLAZE | 0 | 5% 1/8W |

| Ref.No. | Part No. | Description |
|---------|--------------|------------------------|
| JR713 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR714 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR715 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR716 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JR717 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JR720 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JR722 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR723 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR724 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR725 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR726 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR727 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR728 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR729 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR730 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR731 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR732 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR733 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JR734 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR735 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR736 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR737 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR738 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR739 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR740 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR741 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JR742 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JR743 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR744 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JR745 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR746 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JR747 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JR748 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JR749 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JR750 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JR751 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JR752 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JR753 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR754 | 1-216-296-00 | METAL GLAZE 0 5% 1/8W |
| JR757 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JR758 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| JR759 | 1-216-295-00 | METAL GLAZE 0 5% 1/10W |
| L101 | 1-410-196-11 | INDUCTOR CHIP 2.2UH |
| L102 | 1-410-196-11 | INDUCTOR CHIP 2.2UH |
| L201 | 1-410-196-11 | INDUCTOR CHIP 2.2UH |
| L202 | 1-410-196-11 | INDUCTOR CHIP 2.2UH |
| L301 | 1-410-196-11 | INDUCTOR CHIP 2.2UH |
| L302 | 1-410-196-11 | INDUCTOR CHIP 2.2UH |
| L401 | 1-459-842-11 | COIL (WITH CORE) |
| L402 | 1-412-038-11 | INDUCTOR CHIP 100UH |
| L403 | 1-412-037-11 | INDUCTOR CHIP 47UH |
| L501 | 1-412-036-11 | INDUCTOR CHIP 10UH |
| L502 | 1-412-039-51 | INDUCTOR CHIP 100UH |
| L503 | 1-412-038-11 | INDUCTOR CHIP 100UH |
| L504 | 1-412-038-11 | INDUCTOR CHIP 100UH |
| L505 | 1-412-039-51 | INDUCTOR CHIP 100UH |
| L506 | 1-412-036-11 | INDUCTOR CHIP 10UH |

| Ref.No. | Part No. | Description |
|---------|--------------|----------------------------|
| L701 | 1-459-641-11 | COIL (WITH CORE) |
| L702 | 1-459-642-11 | COIL (WITH CORE) |
| L705 | 1-410-209-51 | INDUCTOR CHIP 27UH |
| L706 | 1-410-196-11 | INDUCTOR CHIP 2.2UH |
| L708 | 1-410-204-31 | INDUCTOR CHIP 10UH |
| L710 | 1-410-209-51 | INDUCTOR CHIP 27UH |
| L711 | 1-402-381-11 | ANTENNA, FERRITE-ROD (MW) |
| L712 | 1-410-209-51 | INDUCTOR CHIP 27UH |
| L713 | 1-410-196-11 | INDUCTOR CHIP 2.2UH |
| LCD1 | 1-808-354-11 | LCD MODULE |
| M901 | X-2641-525-1 | MOTOR ASSY (SLED) |
| M902 | X-2641-521-1 | MOTOR ASSY, T.T. (SPINDLE) |
| MF701 | 1-567-693-11 | FILTER, CERAMIC |
| Q301 | 8-729-800-36 | TRANSISTOR 2SD1048 |
| Q302 | 8-729-800-36 | TRANSISTOR 2SD1048 |
| Q303 | 8-729-800-36 | TRANSISTOR 2SD1048 |
| Q304 | 8-729-800-36 | TRANSISTOR 2SD1048 |
| Q305 | 8-729-800-36 | TRANSISTOR 2SD1048 |
| Q306 | 8-729-800-36 | TRANSISTOR 2SD1048 |
| Q307 | 8-729-800-36 | TRANSISTOR 2SD1048 |
| Q401 | 8-729-901-46 | TRANSISTOR DTA114YK |
| Q402 | 8-729-902-99 | TRANSISTOR DTC114TK |
| Q403 | 8-729-162-44 | TRANSISTOR 2SB624-BV4 |
| Q404 | 9-989-161-01 | TRANSISTOR 2SC2412K |
| Q405 | 8-729-800-36 | TRANSISTOR 2SD1048 |
| Q406 | 9-989-161-01 | TRANSISTOR 2SC2412K |
| Q407 | 8-729-806-75 | TRANSISTOR 2SB1120 |
| Q408 | 8-729-901-00 | TRANSISTOR DTC124EK |
| Q409 | 8-729-100-76 | TRANSISTOR 2SA812 |
| Q410 | 8-729-162-44 | TRANSISTOR 2SB624-BV4 |
| Q412 | 8-729-800-36 | TRANSISTOR 2SD1048 |
| Q413 | 8-729-806-75 | TRANSISTOR 2SB1120 |
| Q414 | 8-729-903-10 | TRANSISTOR FMW1 |
| Q418 | 8-729-901-00 | TRANSISTOR DTC124EK |
| Q419 | 8-729-901-00 | TRANSISTOR DTC124EK |
| Q420 | 9-989-161-01 | TRANSISTOR 2SC2412K |
| Q421 | 8-729-901-05 | TRANSISTOR DTA124EK |
| Q422 | 8-729-800-36 | TRANSISTOR 2SD1048 |
| Q423 | 8-729-907-28 | TRANSISTOR IMD3 |
| Q424 | 8-729-903-10 | TRANSISTOR FMW1 |
| Q501 | 8-729-100-76 | TRANSISTOR 2SA812 |
| Q502 | 8-729-800-36 | TRANSISTOR 2SD1048 |
| Q503 | 8-729-902-99 | TRANSISTOR DTC114TK |
| Q504 | 9-989-161-01 | TRANSISTOR 2SC2412K |
| Q506 | 8-729-903-29 | TRANSISTOR DTA144TK |
| Q701 | 8-729-200-87 | TRANSISTOR 2SC2714Y |
| Q702 | 8-729-102-07 | TRANSISTOR 2SC2223-F13 |
| Q703 | 8-729-102-08 | TRANSISTOR 2SC2223-F14 |
| Q706 | 8-729-102-08 | TRANSISTOR 2SC2223-F14 |
| Q707 | 8-729-159-64 | TRANSISTOR 2SD596 |
| Q708 | 8-729-903-62 | TRANSISTOR 2SD1664-Q |
| Q710 | 8-729-159-64 | TRANSISTOR 2SD596 |
| Q711 | 8-729-102-26 | TRANSISTOR 2SC1623 |
| Q712 | 8-729-100-66 | TRANSISTOR 2SB624BV4 |
| Q713 | 8-729-901-01 | TRANSISTOR DTC144EK |

| Ref.No. | Part No. | Description |
|---------|--------------|---------------------------|
| Q714 | 8-729-100-66 | TRANSISTOR 2SC1623 |
| Q715 | 8-729-901-01 | TRANSISTOR DTC144EK |
| Q801 | 8-729-901-05 | TRANSISTOR DTA124EK |
| Q802 | 8-729-800-36 | TRANSISTOR 2SD1048 |
| Q803 | 8-729-907-28 | TRANSISTOR IMD3 |
| R101 | 1-216-329-11 | METAL GLAZE 5.1K 1% 1/10W |
| R102 | 1-216-336-11 | METAL GLAZE 47K 1% 1/10W |
| R103 | 1-216-333-11 | METAL GLAZE 15K 1% 1/10W |
| R104 | 1-218-160-11 | METAL GLAZE 43K 1% 1/10W |
| R105 | 1-216-328-11 | METAL GLAZE 4.3K 1% 1/10W |
| R106 | 1-216-333-11 | METAL GLAZE 15K 1% 1/10W |
| R107 | 1-216-063-00 | METAL GLAZE 3.9K 5% 1/10W |
| R108 | 1-216-053-00 | METAL GLAZE 1.5K 5% 1/10W |
| R109 | 1-216-077-00 | METAL GLAZE 15K 5% 1/10W |
| R110 | 1-216-009-00 | METAL GLAZE 22 5% 1/10W |
| R111 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W |
| R112 | 1-216-033-00 | METAL GLAZE 220 5% 1/10W |
| R113 | 1-216-081-00 | METAL GLAZE 22K 5% 1/10W |
| R114 | 1-216-053-00 | METAL GLAZE 1.5K 5% 1/10W |
| R115 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W |
| R116 | 1-216-097-00 | METAL GLAZE 100K 5% 1/10W |
| R201 | 1-216-329-11 | METAL GLAZE 5.1K 1% 1/10W |
| R202 | 1-216-336-11 | METAL GLAZE 47K 1% 1/10W |
| R203 | 1-216-333-11 | METAL GLAZE 15K 1% 1/10W |
| R204 | 1-218-160-11 | METAL GLAZE 43K 1% 1/10W |
| R205 | 1-216-328-11 | METAL GLAZE 4.3K 1% 1/10W |
| R206 | 1-216-333-11 | METAL GLAZE 15K 1% 1/10W |
| R207 | 1-216-063-00 | METAL GLAZE 3.9K 5% 1/10W |
| R208 | 1-216-053-00 | METAL GLAZE 1.5K 5% 1/10W |
| R209 | 1-216-077-00 | METAL GLAZE 15K 5% 1/10W |
| R210 | 1-216-009-00 | METAL GLAZE 22 5% 1/10W |
| R211 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W |
| R212 | 1-216-182-00 | METAL GLAZE 220 5% 1/8W |
| R213 | 1-216-081-00 | METAL GLAZE 22K 5% 1/10W |
| R214 | 1-216-053-00 | METAL GLAZE 1.5K 5% 1/10W |
| R215 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W |
| R216 | 1-216-097-00 | METAL GLAZE 100K 5% 1/10W |
| R303 | 1-216-121-00 | METAL GLAZE 1M 5% 1/10W |
| R304 | 1-216-059-00 | METAL GLAZE 2.7K 5% 1/10W |
| R305 | 1-216-019-00 | METAL GLAZE 56 5% 1/10W |
| R312 | 1-216-069-00 | METAL GLAZE 6.8K 5% 1/10W |
| R319 | 1-216-113-00 | METAL GLAZE 470K 5% 1/10W |
| R320 | 1-216-113-00 | METAL GLAZE 470K 5% 1/10W |
| R321 | 1-216-069-00 | METAL GLAZE 6.8K 5% 1/10W |
| R323 | 1-216-077-00 | METAL GLAZE 15K 5% 1/10W |
| R324 | 1-216-077-00 | METAL GLAZE 15K 5% 1/10W |
| R325 | 1-216-019-00 | METAL GLAZE 56 5% 1/10W |
| R326 | 1-216-019-00 | METAL GLAZE 56 5% 1/10W |
| R327 | 1-216-057-00 | METAL GLAZE 2.2K 5% 1/10W |
| R328 | 1-216-057-00 | METAL GLAZE 2.2K 5% 1/10W |
| R401 | 1-216-077-00 | METAL GLAZE 15K 5% 1/10W |
| R402 | 1-216-089-00 | METAL GLAZE 47K 5% 1/10W |
| R403 | 1-216-089-00 | METAL GLAZE 47K 5% 1/10W |
| R404 | 1-216-037-00 | METAL GLAZE 330 5% 1/10W |
| R405 | 1-216-067-00 | METAL GLAZE 5.6K 5% 1/10W |
| R406 | 1-216-081-00 | METAL GLAZE 22K 5% 1/10W |

| Ref.No. | Part No. | Description |
|---------|--------------|----------------------------|
| R407 | 1-216-089-00 | METAL GLAZE 47K 5% 1/10W |
| R408 | 1-216-049-00 | METAL GLAZE 1K 5% 1/10W |
| R409 | 1-216-077-00 | METAL GLAZE 15K 5% 1/10W |
| R410 | 1-216-083-00 | METAL GLAZE 27K 5% 1/10W |
| R411 | 1-216-089-00 | METAL GLAZE 47K 5% 1/10W |
| R412 | 1-216-093-00 | METAL GLAZE 68K 5% 1/10W |
| R413 | 1-216-077-00 | METAL GLAZE 15K 5% 1/10W |
| R414 | 1-216-055-00 | METAL GLAZE 1.8K 5% 1/10W |
| R415 | 1-216-339-11 | METAL GLAZE 18K 1% 1/10W |
| R416 | 1-216-335-11 | METAL GLAZE 24K 1% 1/10W |
| R417 | 1-216-061-00 | METAL GLAZE 3.3K 5% 1/10W |
| R418 | 1-216-061-00 | METAL GLAZE 3.3K 5% 1/10W |
| R419 | 1-216-045-00 | METAL GLAZE 680 5% 1/10W |
| R420 | 1-216-041-00 | METAL GLAZE 470 5% 1/10W |
| R421 | 1-216-092-00 | METAL GLAZE 62K 5% 1/10W |
| R422 | 1-216-067-00 | METAL GLAZE 5.6K 5% 1/10W |
| R423 | 1-216-045-00 | METAL GLAZE 680 5% 1/10W |
| R424 | 1-216-081-00 | METAL GLAZE 22K 5% 1/10W |
| R425 | 1-216-049-00 | METAL GLAZE 1K 5% 1/10W |
| R426 | 1-216-033-00 | METAL GLAZE 220 5% 1/10W |
| R427 | 1-216-056-00 | METAL GLAZE 2K 5% 1/10W |
| R428 | 1-216-062-00 | METAL GLAZE 3.6K 5% 1/10W |
| R429 | 1-216-095-00 | METAL GLAZE 82K 5% 1/10W |
| R430 | 1-216-061-00 | METAL GLAZE 3.3K 5% 1/10W |
| R431 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W |
| R432 | 1-216-043-00 | METAL GLAZE 560 5% 1/10W |
| R434 | 1-216-043-00 | METAL GLAZE 560 5% 1/10W |
| R436 | 1-216-694-11 | METAL CHIP 62K 0.50% 1/10W |
| R437 | 1-216-686-11 | METAL CHIP 30K 0.50% 1/10W |
| R438 | 1-216-053-00 | METAL GLAZE 1.5K 5% 1/10W |
| R439 | 1-216-695-11 | METAL CHIP 68K 0.50% 1/10W |
| R440 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W |
| R441 | 1-216-049-00 | METAL GLAZE 1K 5% 1/10W |
| R442 | 1-216-075-00 | METAL GLAZE 12K 5% 1/10W |
| R443 | 1-216-085-00 | METAL GLAZE 33K 5% 1/10W |
| R446 | 1-216-009-00 | METAL GLAZE 22 5% 1/10W |
| R448 | 1-216-041-00 | METAL GLAZE 470 5% 1/10W |
| R449 | 1-216-748-11 | METAL GLAZE 39K 1% 1/10W |
| R450 | 1-216-115-00 | METAL GLAZE 560K 5% 1/10W |
| R451 | 1-216-115-00 | METAL GLAZE 560K 5% 1/10W |
| R452 | 1-216-049-00 | METAL GLAZE 1K 5% 1/10W |
| R501 | 1-216-024-00 | METAL GLAZE 91 5% 1/10W |
| R502 | 1-216-069-00 | METAL GLAZE 6.8K 5% 1/10W |
| R503 | 1-216-049-00 | METAL GLAZE 1K 5% 1/10W |
| R504 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W |
| R506 | 1-216-081-00 | METAL GLAZE 22K 5% 1/10W |
| R508 | 1-216-069-00 | METAL GLAZE 6.8K 5% 1/10W |
| R509 | 1-216-077-00 | METAL GLAZE 15K 5% 1/10W |
| R510 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W |
| R511 | 1-216-150-00 | METAL GLAZE 10 5% 1/8W |
| R512 | 1-216-085-00 | METAL GLAZE 33K 5% 1/10W |
| R513 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W |
| R514 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W |
| R515 | 1-216-097-00 | METAL GLAZE 100K 5% 1/10W |
| R516 | 1-216-121-00 | METAL GLAZE 1M 5% 1/10W |
| R517 | 1-216-093-00 | METAL GLAZE 68K 5% 1/10W |
| R518 | 1-216-097-00 | METAL GLAZE 100K 5% 1/10W |

| Ref.No. | Part No. | Description | | | |
|---------|--------------|-------------|------|-------|-------|
| R519 | 1-216-119-00 | METAL GLAZE | 820K | 5% | 1/10W |
| R520 | 1-216-095-00 | METAL GLAZE | 82K | 5% | 1/10W |
| R521 | 1-216-095-00 | METAL GLAZE | 82K | 5% | 1/10W |
| R522 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |
| R523 | 1-216-059-00 | METAL GLAZE | 2.7K | 5% | 1/10W |
| R524 | 1-216-089-00 | METAL GLAZE | 47K | 5% | 1/10W |
| R525 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |
| R526 | 1-216-114-00 | METAL GLAZE | 510K | 5% | 1/10W |
| R528 | 1-216-077-00 | METAL GLAZE | 15K | 5% | 1/10W |
| R529 | 1-216-686-11 | METAL CHIP | 30K | 0.50% | 1/10W |
| R530 | 1-216-686-11 | METAL CHIP | 30K | 0.50% | 1/10W |
| R531 | 1-216-059-00 | METAL GLAZE | 2.7K | 5% | 1/10W |
| R532 | 1-216-103-00 | METAL GLAZE | 180K | 5% | 1/10W |
| R533 | 1-216-062-00 | METAL GLAZE | 3.6K | 5% | 1/10W |
| R534 | 1-216-121-00 | METAL GLAZE | 1M | 5% | 1/10W |
| R536 | 1-216-099-00 | METAL GLAZE | 120K | 5% | 1/10W |
| R537 | 1-216-083-00 | METAL GLAZE | 27K | 5% | 1/10W |
| R538 | 1-216-094-00 | METAL GLAZE | 75K | 5% | 1/10W |
| R539 | 1-216-094-00 | METAL GLAZE | 75K | 5% | 1/10W |
| R540 | 1-216-086-00 | METAL GLAZE | 36K | 5% | 1/10W |
| R544 | 1-216-077-00 | METAL GLAZE | 15K | 5% | 1/10W |
| R545 | 1-216-121-00 | METAL GLAZE | 1M | 5% | 1/10W |
| R546 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R547 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% | 1/10W |
| R548 | 1-216-057-00 | METAL GLAZE | 2.2K | 5% | 1/10W |
| R549 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R550 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R551 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R552 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |
| R553 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R554 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W |
| R555 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |
| R556 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R557 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R558 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R559 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R560 | 1-216-129-00 | METAL GLAZE | 2.2M | 5% | 1/10W |
| R561 | 1-216-065-00 | METAL GLAZE | 4.7K | 5% | 1/10W |
| R601 | 1-216-097-00 | METAL GLAZE | 100K | 5% | 1/10W |
| R602 | 1-216-089-00 | METAL GLAZE | 47K | 5% | 1/10W |
| R701 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |
| R702 | 1-216-025-00 | METAL GLAZE | 100 | 5% | 1/10W |
| R703 | 1-216-059-00 | METAL GLAZE | 2.7K | 5% | 1/10W |
| R704 | 1-216-059-00 | METAL GLAZE | 2.7K | 5% | 1/10W |
| R705 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W |



| Ref.No. | Part No. | Description | | | |
|---------|--------------|-------------|------|----|-------|
| R706 | 1-216-025-00 | METAL GLAZE | 100 | 5% | 1/10W |
| R707 | 1-216-085-00 | METAL GLAZE | 33K | 5% | 1/10W |
| R708 | 1-216-017-00 | METAL GLAZE | 47 | 5% | 1/10W |
| R709 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W |
| R710 | 1-216-085-00 | METAL GLAZE | 33K | 5% | 1/10W |
| R711 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W |
| R712 | 1-216-091-00 | METAL GLAZE | 56K | 5% | 1/10W |
| R713 | 1-216-013-00 | METAL GLAZE | 33 | 5% | 1/10W |
| R714 | 1-216-091-00 | METAL GLAZE | 56K | 5% | 1/10W |
| R715 | 1-216-041-00 | METAL GLAZE | 470 | 5% | 1/10W |
| R716 | 1-216-037-00 | METAL GLAZE | 330 | 5% | 1/10W |
| R725 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R726 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W |
| R727 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W |
| R728 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W |
| R729 | 1-216-180-00 | METAL GLAZE | 180 | 5% | 1/8W |
| R730 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W |
| R731 | 1-216-055-00 | METAL GLAZE | 1.8K | 5% | 1/10W |
| R732 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R733 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R734 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R735 | 1-216-063-00 | METAL GLAZE | 3.9K | 5% | 1/10W |
| R736 | 1-216-069-00 | METAL GLAZE | 6.8K | 5% | 1/10W |
| R737 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R738 | 1-216-061-00 | METAL GLAZE | 3.3K | 5% | 1/10W |
| R739 | 1-216-061-00 | METAL GLAZE | 3.3K | 5% | 1/10W |
| R740 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R741 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R742 | 1-216-037-00 | METAL GLAZE | 330 | 5% | 1/10W |
| R743 | 1-216-033-00 | METAL GLAZE | 220 | 5% | 1/10W |
| R744 | 1-216-113-00 | METAL GLAZE | 470K | 5% | 1/10W |
| R745 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R747 | 1-216-049-00 | METAL GLAZE | 1K | 5% | 1/10W |
| R749 | 1-216-037-00 | METAL GLAZE | 330 | 5% | 1/10W |
| R750 | 1-216-069-00 | METAL GLAZE | 6.8K | 5% | 1/10W |
| R753 | 1-216-073-00 | METAL GLAZE | 10K | 5% | 1/10W |
| R755 | 1-216-093-00 | METAL GLAZE | 68K | 5% | 1/10W |
| R756 | 1-216-198-00 | METAL GLAZE | 1K | 5% | 1/8W |
| R761 | 1-216-013-00 | METAL GLAZE | 33 | 5% | 1/10W |
| R762 | 1-216-063-00 | METAL GLAZE | 3.9K | 5% | 1/10W |
| R763 | 1-216-150-00 | METAL GLAZE | 10 | 5% | 1/8W |
| R764 | 1-216-013-00 | METAL GLAZE | 33 | 5% | 1/10W |
| R765 | 1-216-013-00 | METAL GLAZE | 33 | 5% | 1/10W |
| R768 | 1-216-055-00 | METAL GLAZE | 1.8K | 5% | 1/10W |
| R769 | 1-216-081-00 | METAL GLAZE | 22K | 5% | 1/10W |


| Ref.No. | Part No. | Description |
|---------|--------------|--------------------------------|
| R770 | 1-216-097-00 | METAL GLAZE 100K 5% 1/10W |
| R771 | 1-216-033-00 | METAL GLAZE 220 5% 1/10W |
| R772 | 1-216-025-00 | METAL GLAZE 100 5% 1/10W |
| R773 | 1-216-049-00 | METAL GLAZE 1K 5% 1/10W |
| R801 | 1-216-089-00 | METAL GLAZE 47K 5% 1/10W |
| R802 | 1-216-238-00 | METAL GLAZE 47K 5% 1/8W |
| R803 | 1-216-109-00 | METAL GLAZE 330K 5% 1/10W |
| R804 | 1-216-041-00 | METAL GLAZE 470 5% 1/10W |
| R806 | 1-216-089-00 | METAL GLAZE 47K 5% 1/10W |
| R807 | 1-216-073-00 | METAL GLAZE 10K 5% 1/10W |
| R808 | 1-216-053-00 | METAL GLAZE 1.5K 5% 1/10W |
| R809 | 1-216-059-00 | METAL GLAZE 2.7K 5% 1/10W |
| R810 | 1-216-071-00 | METAL GLAZE 8.2K 5% 1/10W |
| R811 | 1-216-077-00 | METAL GLAZE 15K 5% 1/10W |
| R812 | 1-216-077-00 | METAL GLAZE 15K 5% 1/10W |
| R813 | 1-216-077-00 | METAL GLAZE 15K 5% 1/10W |
| R814 | 1-216-061-00 | METAL GLAZE 3.3K 5% 1/10W |
| RV301 | 1-237-092-11 | RES, VAR, CARBON 10K/10K (VOL) |
| RV401 | 1-228-993-00 | RES, ADJ, CARBON 5K |
| RV501 | 1-228-996-00 | RES, ADJ, CARBON 50K |
| RV502 | 1-228-996-00 | RES, ADJ, CARBON 50K |
| RV503 | 1-228-995-00 | RES, ADJ, CARBON 20K |
| RV504 | 1-230-526-11 | RES, ADJ, METAL GLAZE 47K |
| RV505 | 1-228-990-00 | RES, ADJ, CARBON 1K |
| RV701 | 1-230-602-11 | RES, ADJ, METAL GLAZE 4.7K |
| RV702 | 1-228-356-00 | RES, ADJ, METAL GLAZE 22K |
| RV703 | 1-228-356-00 | RES, ADJ, METAL GLAZE 22K |
| RV704 | 1-237-139-11 | RES, VAR, CARBON 100K (TUNING) |
| S401 | 1-554-843-11 | SWITCH, SLIDE (FUNCTION) |
| S701 | 1-570-397-11 | SWITCH, SLIDE (FM MODE) |
| S702 | 1-570-402-11 | SWITCH, SLIDE (BAND) |
| S801 | 1-554-911-11 | SWITCH, LEAF (OPEN) |
| S803 | 1-554-371-51 | SWITCH, TACT (▶▶▶) |
| S804 | 1-554-371-51 | SWITCH, TACT (■) |
| S805 | 1-554-371-51 | SWITCH, TACT (▶▶▶) |
| S806 | 1-554-371-51 | SWITCH, TACT (▶▶▶) |
| S807 | 1-571-484-11 | SWITCH, KEY BOARD (MODE) |
| S901 | 1-570-112-11 | SWITCH, LEAF (LIMIT SWITCH) |

| Ref.No. | Part No. | Description |
|---------|--------------|--------------------------------|
| T701 | 1-404-690-11 | TRANSFORMER, IF |
| T702 | 1-406-177-11 | COIL |
| T703 | 1-448-302-11 | TRANSFORMER, DC-DC CONVERTER |
| X601 | 1-567-737-11 | VIBRATOR, CRYSTAL (16.9344MHz) |
| X801 | 1-567-094-00 | VIBRATOR, CERAMIC (3.58MHz) |

ACCESSORY & PACKING MATERIAL

| | |
|----------------|--|
| △.1-463-694-11 | (Canadian).....ADAPTOR, AC (AC-930A) |
| △.1-463-700-11 | (UK).....ADAPTOR, AC (AC-930A) |
| △.1-463-701-11 | (Australian)...ADAPTOR, AC (AC-930A) |
| △.1-463-702-11 | (E).....ADAPTOR, AC (AC-950W) |
| △.1-463-705-11 | (AEP,French,Italian)..ADAPTOR, AC (AC-930 AEP) |
| △.1-463-968-11 | (US).....ADAPTOR, AC (AC-940) |
| △.1-526-565-00 | (E).....AC PLUG ADAPTOR |
| 1-528-220-11 | BATTERY, STORAGE, LEAD (BP-3) |
| 1-555-658-21 | CORD, CONNECTION |
| 3-764-970-11 | (UK)...INSTRUCTION |
| 3-769-980-11 | (AEP,UK,E,French,Australian,Italian) ...MANUAL, INSTRUCTION |
| 3-769-980-21 | (US,Canadian).....MANUAL, INSTRUCTION |
| 3-769-980-31 | (Canadian).....MANUAL, INSTRUCTION |
| 3-769-980-41 | (AEP,Italian).....MANUAL, INSTRUCTION |
| *4-917-797-01 | (UK)...CARTON, HEADPHONE |
| *4-920-407-01 | BAG, PROTECTION |
| 4-924-121-01 | CASE, ACCESSORY |
| 4-924-126-01 | (EXCEPT FOR French)...BELT, CARRYING |
| 4-924-174-01 | (French)...BELT, HAND |
| *4-924-752-01 | (US).....INDIVIDUAL CARTON |
| *4-924-754-01 | (Canadian)...INDIVIDUAL CARTON |
| *4-924-756-01 | (UK).....INDIVIDUAL CARTON |
| *4-924-757-01 | (AEP,E,French,Australian,Italian) ...INDIVIDUAL CARTON |
| 4-924-777-01 | CASE, CARRING |
| 4-924-798-01 | CUSHION (L,R) |
| 8-952-266-89 | (UK)...HEADPHONE MDR-A10L/A SET |

The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

Les composants identifiés par une marque  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.